STATE ATOMIC ENERGY CORPORATION "ROSATOM"

JOINT STOCK COMPANY

NIZHNY NOVGOROD ENGINEERING COMPANY

"ATOMENERGOPROEKT"

(JSC NIAEP)

VVER-TOI

UNCEM User Manual

TOI-MP0315-ADB0001

Revision A01

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2012

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Revision A01

First deputy director **Ivanov Y.A.**

Deputy chief engineer **Kuznetzov A.K.**

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Continuation sheet

VVER-TOI

UNCEM User Manual

TOI-MP0315-ADB0001

Revision A01

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А-112078 пм

CONTENT

1 INTRODUCTION……..……..6
2 GENERAL INFORMATION…..……7
2.1. System requirements…….……7
2.1.1. Troubleshooting……..7
2.2. Home page…….....9
2.3. Information entry into the Catalogue……..…10
2.4. Symbols……..11
3 USER INTERFACE ……....12
3.1. Toolbars……...12
3.2. History viewer…….....15
3.3. Table view settings……..15
3.3.1. User's view creation……..16
3.3.2. View removing……16
3.3.3. View editing……..…...16
3.4. Objects comparison…….....18
3.5. Multisorting……18
3.6. Autofilter settings……...…19
3.7. Favorites……..19
3.7.1. Adding objects in to the Favorites…….....19
3.7.2. Viewing objects in the Favorites……..20
3.7.3. Removing objects from the favorites ……..21
3.7.4. Removing sections from the Favorites ……....21
3.8. Interface language switch……..…22
3.8.1. Internet Explorer……...22
3.8.2. Mozilla Firefox……..22
3.8.3. Service notification language switch……...23
3.9. Navigation……...23
4 REGISTRATION OF SUPPLIERS……..…24
4.1. Registration of suppliers in Enovia system……24
4.1.1. Step 1: Terms of service……..24
4.1.2. Step 2: Information about the counterpart (company)…….……..24
4.1.3. Step 3: Assortment manufactured……..…26
4.1.4.Step 4: Documents confirming the right for representation
of interests ……..…..26
4.1.5. Step 5: Assortment delivered……..…26
4.1.6. Step 6: Top-stone of registration ……....26
5 COMPANY PROFILE……..……28
5.1.Company addresses……...…...31
5.2. Bank details……..…...30
5.2.1. Creating, editing, removing bank details……..30
5.3. Contacts……...…30
5.3.1. Creating, editing, removing contacts..30
5.4. Manufacturers……..…31
5.4.1. Creating a manufacturer……...31
5.5. Documents……..32
5.5.1. Adding documents……..32
5.5.2. Uploading documents……32

5.5.3. Removing documents……..32
5.6. Assortment……33
5.6.1. Adding assortment……..33
5.6.2. Adding a request……..33
5.6.3. Removing assortment link ……..34
5.7. Users……...34
5.8. Views……..34
5.8.1. Adding views……...34
5.8.2. Removing views……..35
5.8.3. Setting up the main view……....35
5.9. HISTORY……...35
6 ENTRY OF DOCUMENTS ……...36
6.1.Library "Documentation"……..36
6.2. Creating documents in the Catalogue……..36
6.2.1 Creating documents……36
6.2.2. Creating Document in Equipment Card ……..…28
6.2.3. Attaching Document to Cards (in Document)…….39
6.2.4. Attaching Document to Cards (in Card)……..39
6.2.5. Attaching Document to Other Cards (in Card)…….39
6.3. Cards linked to document……..……...40
6.4. Removing documents……40
6.4.1. Removing Document from Card (in Card)……....40
6.4.2. Removing Document from Card (in Document)……...…41
6.4.3. Editing Document Attributes ……..…41
6.5. Working with document files……..……...41
6.5.1. Updating Attached Files ……41
6.5.2. Adding files……..…41
6.5.3. Removing files……...42
6.6. 3D model upload requirements…….…42
6.6.1. General Requirements for Models ……42
6.6.2. Design 3D Model Upload Requirements ……..……42
7 WORKING WITH EQUIMENT CARD……44
7.1. Searching for equipment card template ……..…44
7.1.1. Selecting a Terminal Element in the Classifier ……..…..44
7.2. Creating equipment cards……...45
7.3. Editing cards……46
7.3.1. Adding Reference Attribute Value ……47
7.3.2. Adding Attribute with a Range of Values ……...48
7.4. Import Equipment Card from Excel ……49
7.4.1. Creating a Template ……49
7.4.2. Import from Excel ……50
7.5. Export equipment cards to exel ……51
7.6. Attaching documents……52
7.7. Duplication of equipment card ……..…...53
7.8. Status of Equipment Cards ……...54
7.9. Viewing created cards ……54
8 DLL-Symbols……55
8.1. Working with DLL-Symbols…….……55
8.1.1. Creating a DLL -Symbol……...55
8.1.2. Editing DLL Symbol in a Card ……..……..55
8.1.3. Editing DLL Symbol through DLL Library …….……56

8.1.4. Removing DLL Symbol in a Card ……56
8.1.5. Removing DLL Symbol through DLL Library ……56
8.2. Working with Excel……56
8.2.1. Downloading Cards for dll Types to Excel ……56
8.2.2. Uploading Cards with dll Types from Excel ……58
8.2.3. Downloading dll Symbol Attributes to Excel ……..58
8.2.4. Uploading dll Symbol Attributes from Excel ……..60
9 SEARCHING……...…62
9.1. General search……..…..62
9.2. Quick keyword-based searching for a template ……..……..65
9.3. Quick keyword-based searching for a card ……..……66
9.4. Quick search within a template ……68
9.5. Quick search by "My cards filter ……..…71
10 WORK WITH REQUESTS……72
11 WORK WITH FORUMS ……..……75
Annex A ……..…..…77
Annex Б ……..… ...78
Annex B …… ..…80
Annex Г ……..…88

1 INTRODUCTION

Unified Nuclear Catalogue of Equipment and Materials (UNCEM) used for NPP designing, construction and operation (hereafter Catalogue) is aimed to provide operative and trustworthy information about the actual market of equipment and materials for nuclear power plants and to allow operational planning and management of equipment & materials deliveries during the whole NPP life cycle.

The catalogue is a simple and effective way to systematize information of the Suppliers of NPP equipment, necessary during the whole NPP life cycle, and to keep it in the common place.

The Catalogue users are:

Engineering companies – companies using catalogue data for NPP designing and construction;

Suppliers of NPP materials and equipment – companies entering data of delivered equipment into the Catalogue;

NPP operator – a company receiving data of purchased and delivered equipment and materials from the Catalogue;

Verifier – a company (JSC NIAEP) verifying reliability of data entered into the Catalogue by equipment suppliers.

Operating environment of the Catalogue is Enovia V6 (DASSAULT SYSTEMES).

In the Catalogue equipment and materials are divided into classes and subclasses. An equipment card template is the classifier terminal element. Basing on this template an equipment card, describing the particular unit of equipment and material delivered by suppliers, is created.

А-112078 ПМ

2 GENERAL INFORMATION

2.1. SYSTEM REQUIREMENTS

For correct mapping of the Catalogue content it is necessary to use the browser Internet Explorer 8, or Firefox 3.6 (it is possible to use later versions of Internet Explorer and Firefox, but thus operation correctness is not guaranteed). In a browser pop-up windows should be authorised.

For correct files importing and exporting it is necessary to use MS Excel 2003 (correctness is not guaranteed when using the other versions).

For operation of 3DAutoVue with 3D models it is required to set up Java SE 6 Update 14 (JRE 1.6.0_14).

JRE 1.6.0_14 are components of the Java Virtual Machine necessary for Java-applications, in this case - 3DAutoVue.

It's possible to download the required JRE version by the following reference: http://www.oracle.com/technetwork/java/javasebusiness/downloads/java-archive-downloads-javase6-419409.html#jre-6u14-oth-JPR «jre-6u14-windows-i586» for 32 bit version or «jre-6u14-windows-x64» for 64 bit version.

System requirements are described in details in Annexes 3 and 4: ENOVIA requirements to the client-end V6 and Oracle AutoVue requirements to the client-end.

For additional information contact system administrators or support service of your organization.

2.1.1. Troubleshooting

Error "Parameter is incorrect"

During operation in Internet Explorer browser a message to add-in «MSXML 5.0» for the given website or an error "Parameter is incorrect" may appear under location bar:

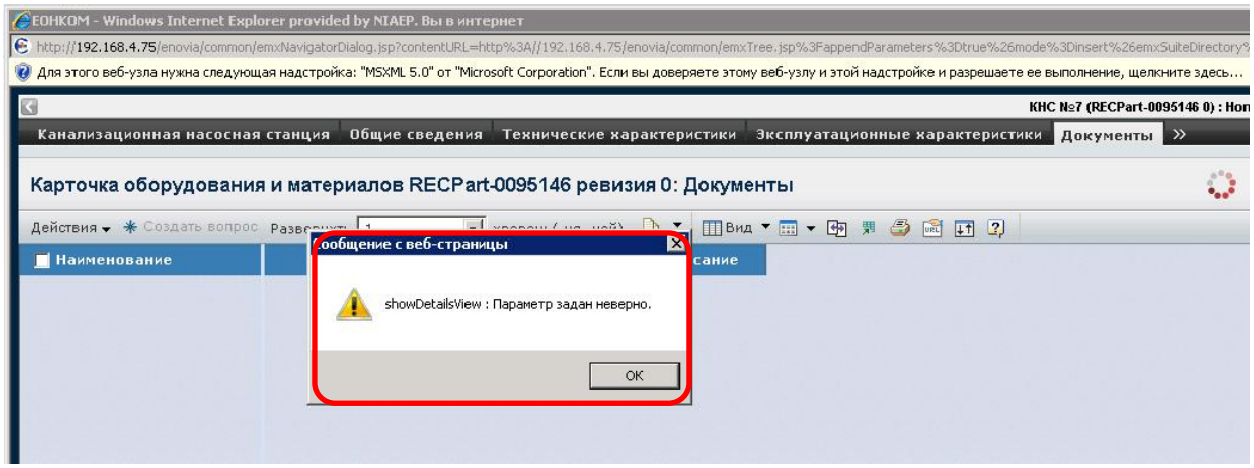


Figure 2.1.1.1

This add-in should be set up in the all websites for error elimination and correct mapping of the Catalogue. Click the add-in message and tick **“Set up in all websites”** from the list.

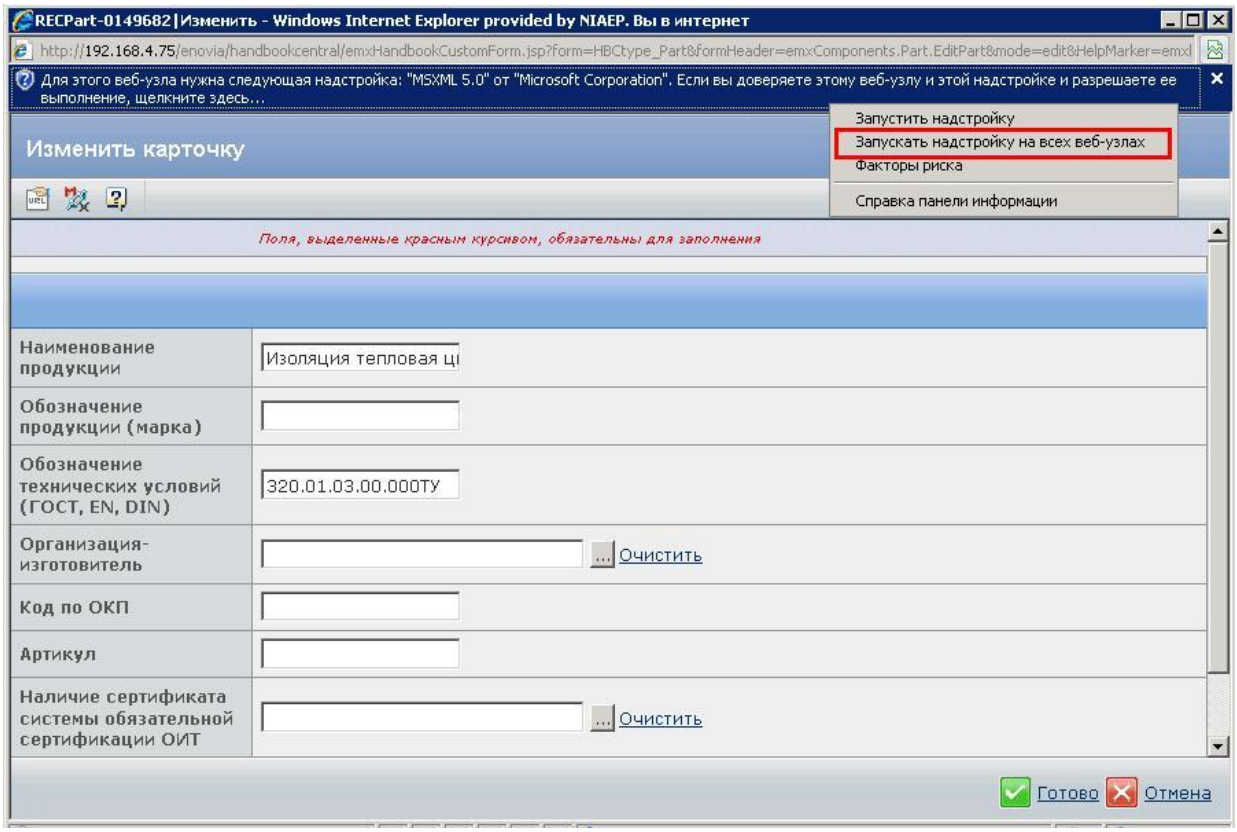


Figure 2.1.1.2

File path window is not popped up.

While loading files from the Catalogue into Internet Explorer browser the window for file path selection is not popped up.

In particular, the given error is observed during company registration or cards uploading in Excel.

To eliminate this error it’s necessary to set up as follows: Service > Browser options > tab “Safety” > Other > Automatic enquiry for file download: On.

.

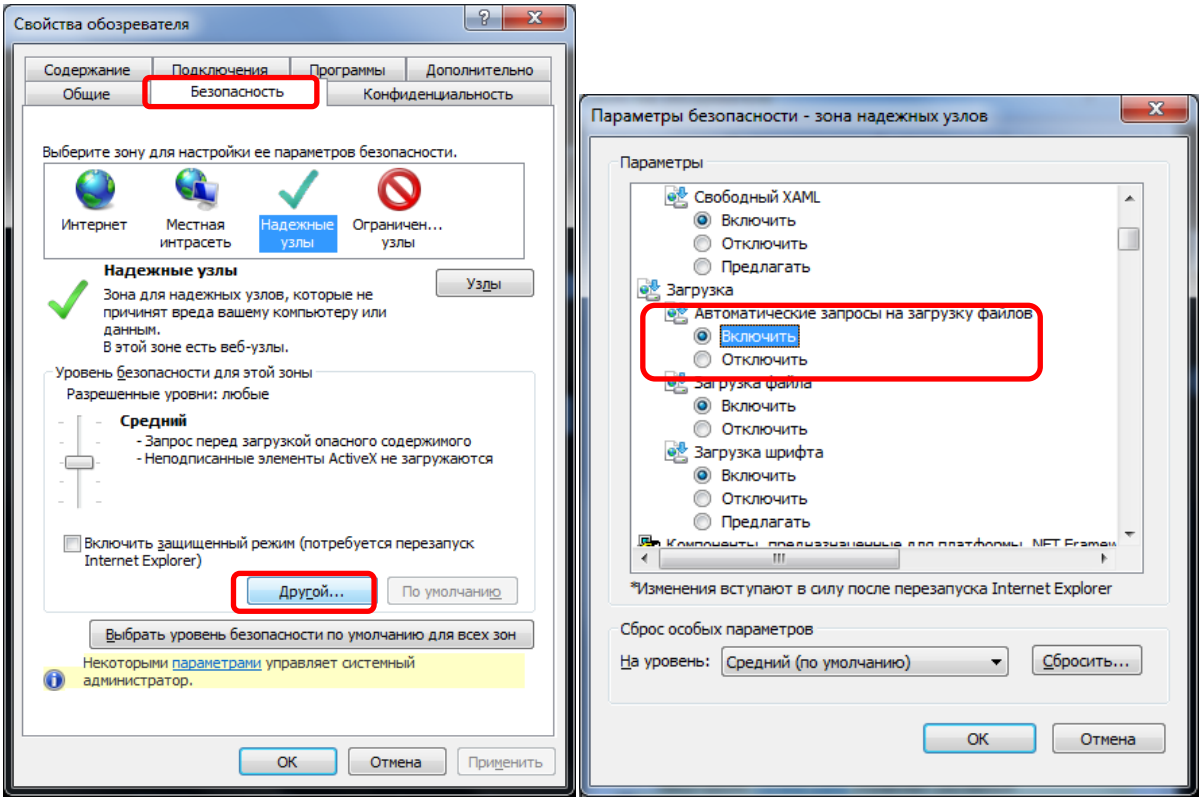


Figure 2.1.1.3

2.2. HOME PAGE

To start working with the Catalogue it's necessary to pass to the Catalogue home page and to fill fields "Username" and "Password" with a login and a password received by results of registration. Then click the "Log-in" button. "

Figure 2.2.1

2.3. INFORMATION ENTRY INTO THE CATALOGUE

Content of the Catalogues is distributed by libraries. These libraries provide safety and effective storage and management of equipment & material information and access to it.

Libraries provide the following procedures:

searching under standard characteristics of an object and additional inquiries;

Digital signature. The authorized users can sign or approve documents and other files which usually require autographic signature;

The e-mail dispatch enabling to receive notices on the events connected to the Catalogue management.

The Catalogue contains the following libraries for Suppliers:

Basic catalogue structure;
Documents;
Enquiries.

Libraries display frame:

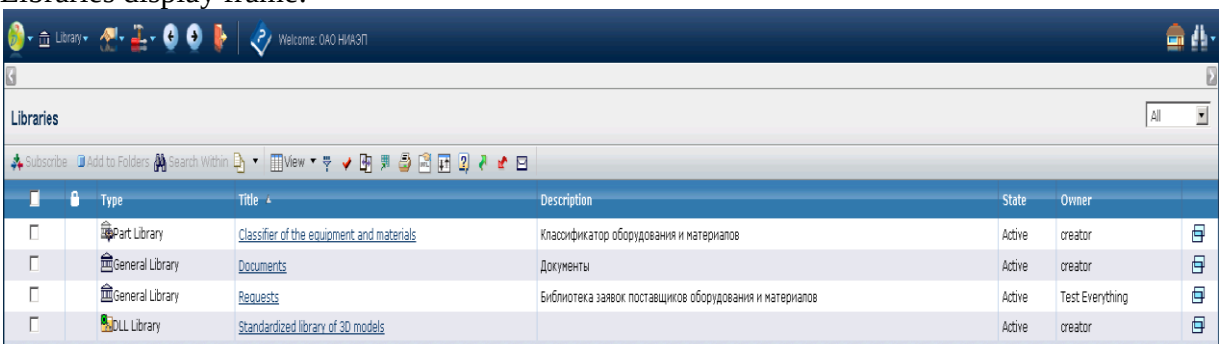


Figure 2.3.

Templates of cards, basing on which equipment & material information is input, as well as all equipment & material cards filled by Supplier are kept in the library “Base catalogue structure”. Using its login and password Supplier can view and edit only the Supplier entered equipment cards.

Files with engineering specifications input by the Supplier for official confirmation of the entered equipment & material information are kept in the library “Documents”. Using its login and password Supplier can view and edit only the Supplier entered files.

Library “Enquiries” contains enquiries of Suppliers for creation of additional cards templates in case of their misbooking in the current version of the Catalogue or for updating already existing cards.

2.4. SYMBOLS

Enovia 2012 supports usage of special symbols in text options.

Entering of special symbols should be in accordance with codes. For example, to enter symbol ±, use combination of the **Alt** button and code 0177 (digits are put by means of the **Num** button).

To enter symbols use the following combinations: pressing the Alt button click:

Symbol	Name	Combination
°	Degree	Alt+0176
²	Ratio	Alt+0178
±	Plus-minus	Alt+0177

Figure 2.4.1.

List of the key symbols is given in Annex A.

Special symbols can be taken from the word-application. Open the list of values from the Insert > Symbol menu branch and tick the required symbol. Copy the ticked symbol using combination ctrl+C and put it into ENOVIA screen attribute.

Figure 2.4.2.

3 USER INTERFACE

3.1. TOOLBARS

Library screen:

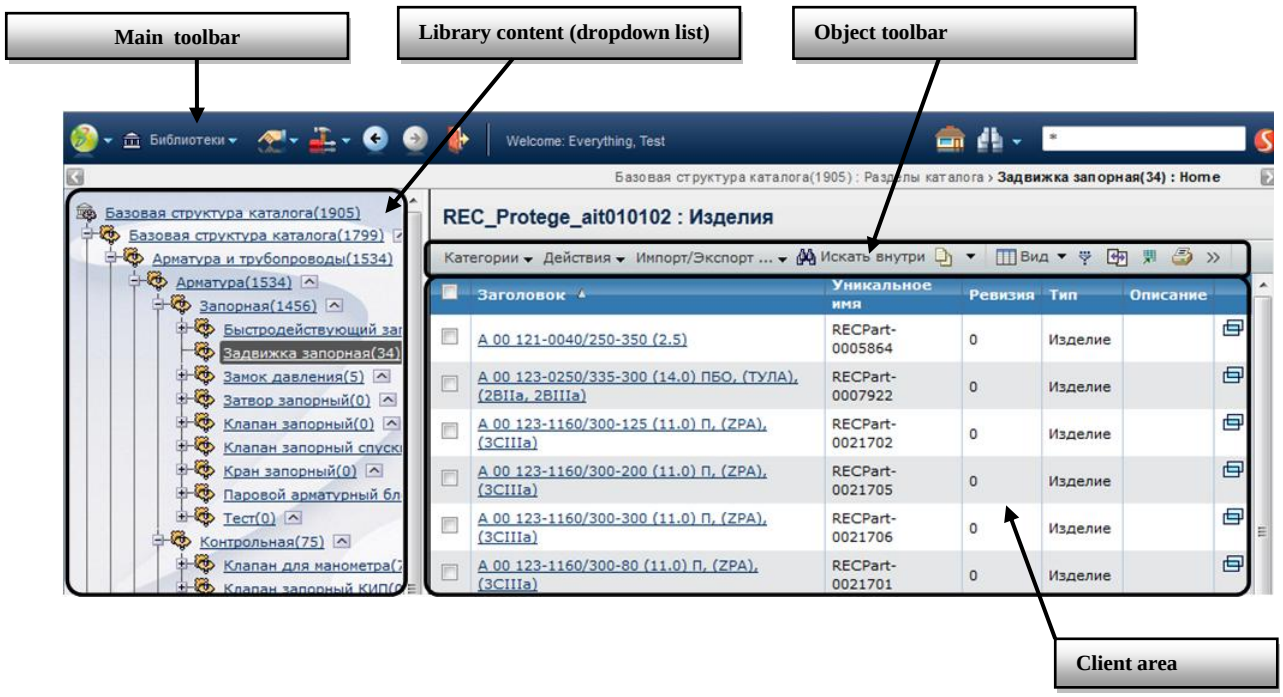


Figure 3.1.1.

Main toolbar:

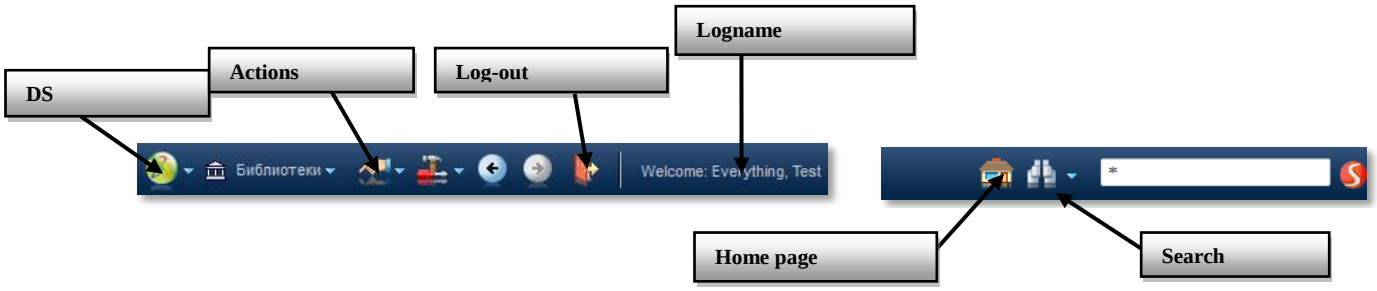
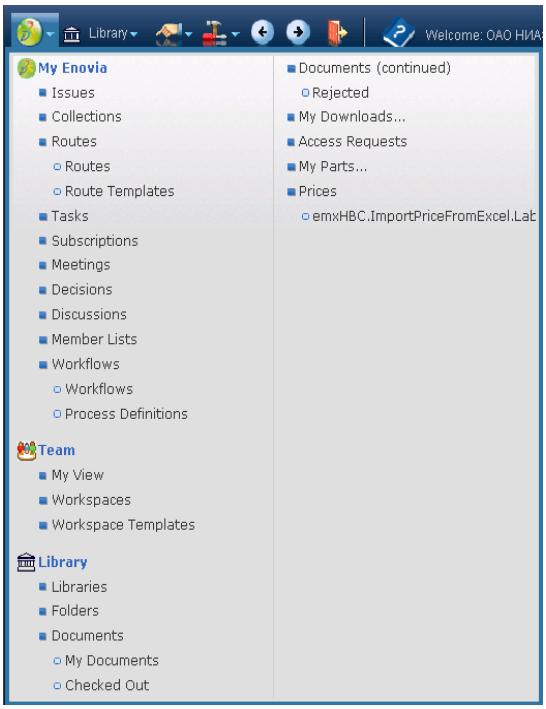


Figure 3.1.2

The main toolbar contains the following menus:
- My Enovia – menu of general functions;
- Libraries – libraries menu;
- FWD/BWD – navigational menu enabling to view 10 most often attended pages;
- Actions – actions menu, new object creation;
- Service – Tool menu;
- Search – search menu;
- Home page button;

- Log-out – button to log out of the system;
- Logname – name of a user logged in to the system.



My Enovia contains:

- My Enovia – provides access to the functions that are common for all applications.

Libraries contain:

- Libraries;

Folders;

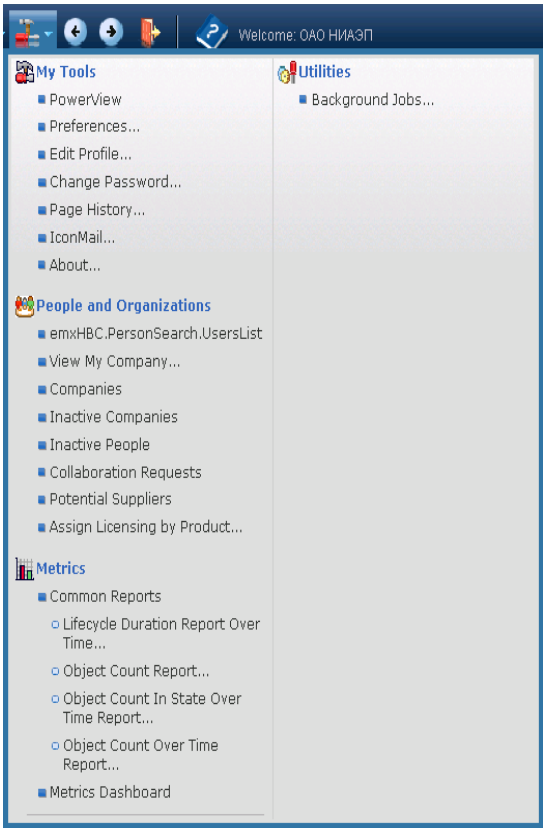
- Document Libraries:

My documents;

For Edit – documents which User (Supplier) edits;

Disposed – your disposed documents;

- My downloads – downloaded documents;
- Access-request – access request for documents;
- My cards – Cards created by User;



Service contains:

Service – toolbar includes:

- Browser ;
- Settings – User's settings enabling to set up interface language, home page, time zone;
- Edit Profile – revision of profile data.
- Change password – to change password;
- History Viewer – list of the last 50 viewed pages of the current session;
- Icon Mail – internal e-mail enabling to send and receive messages from other users and notifying system;
- O Enovia.

Indicators contain:

- General reports:

Life-cycle report;

Report on quantity of objects;

Report on quantity of status objects over time;

Report on quantity of objects over time;

- Indicators bar;

Administration:

- Background tasks;
- update cache;

Note: functionalities of tabs can slightly differ in dependence on user's access privileges.

Object (card template) toolbar:

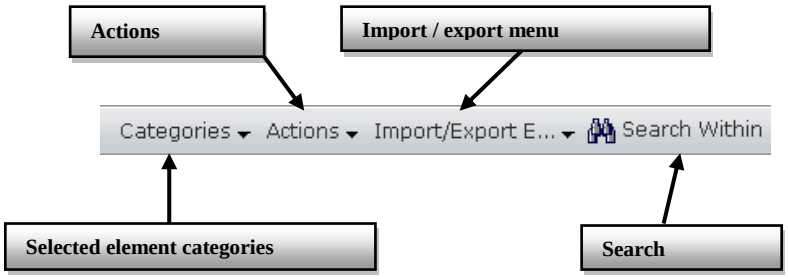


Figure 3.1.5.

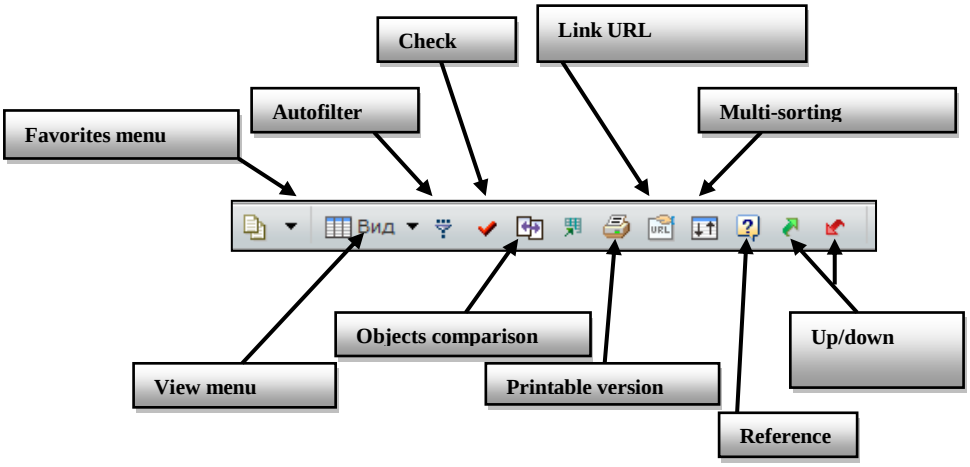


Figure 3.1.6.

Categories – Categories menu;
Actions – menu of available operations;
Import / export – import and export of objects from / into Excel, see Import of equipment & material cards from Excel forms, Export of equipment & material cards into Excel forms.
Search – Search for objects within selected template/ section, see Fast search within template.
Favorites – fast addition of elements into the folder Favorites.
View – settings of the current table, see Settings of the current table.
Autofilter – settings of current page filter, see Autofilter settings.
Check – checking of the selected objectпроверка выбранного объекта.
Objects comparison – comparison of attributes of two objects, see Objects comparison.
Printable version – printable version of the current page.
Multi-sorting – columns sorting by the given attributes, see Multi-sorting.
Reference – help topics.
Up/down – mass rolling of the objects up/down, see Statuses of equipment/material card.

3.2. HISTORY VIEWER

The history allows getting immediate access to the earlier open pages (the last 50 open pages). Select Service > History viewer on the main toolbar..

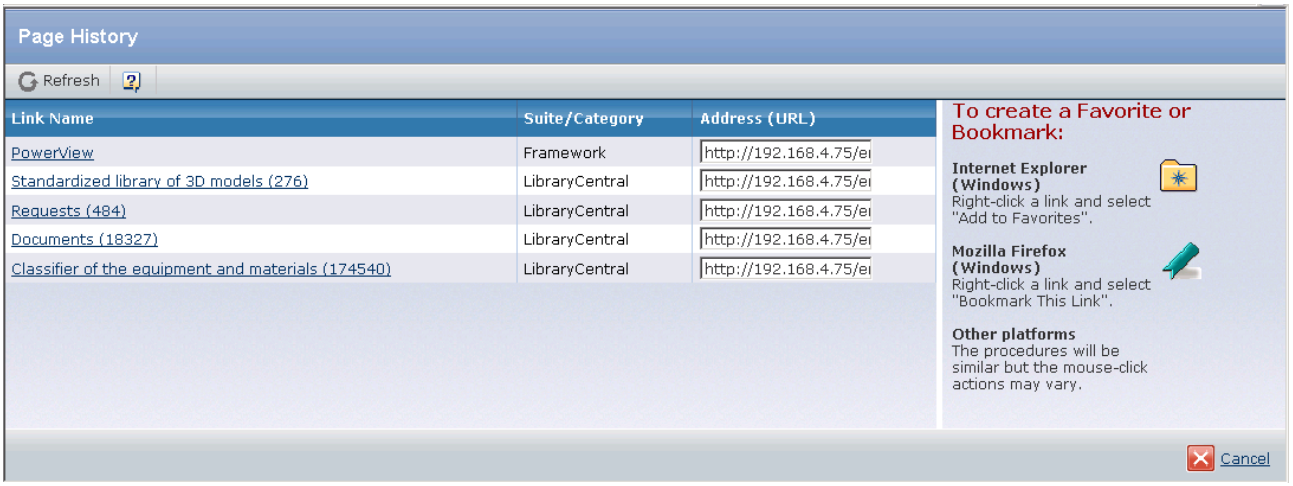


Figure 3.2.1.

On the given page it is possible to follow links of the pages opened earlier as well as to add the given links in bookmarks/Favotites.

3.3. TABLE VIEW SETTINGS

“View” menu enables to set up user’s view of the table, to add new columns.

.

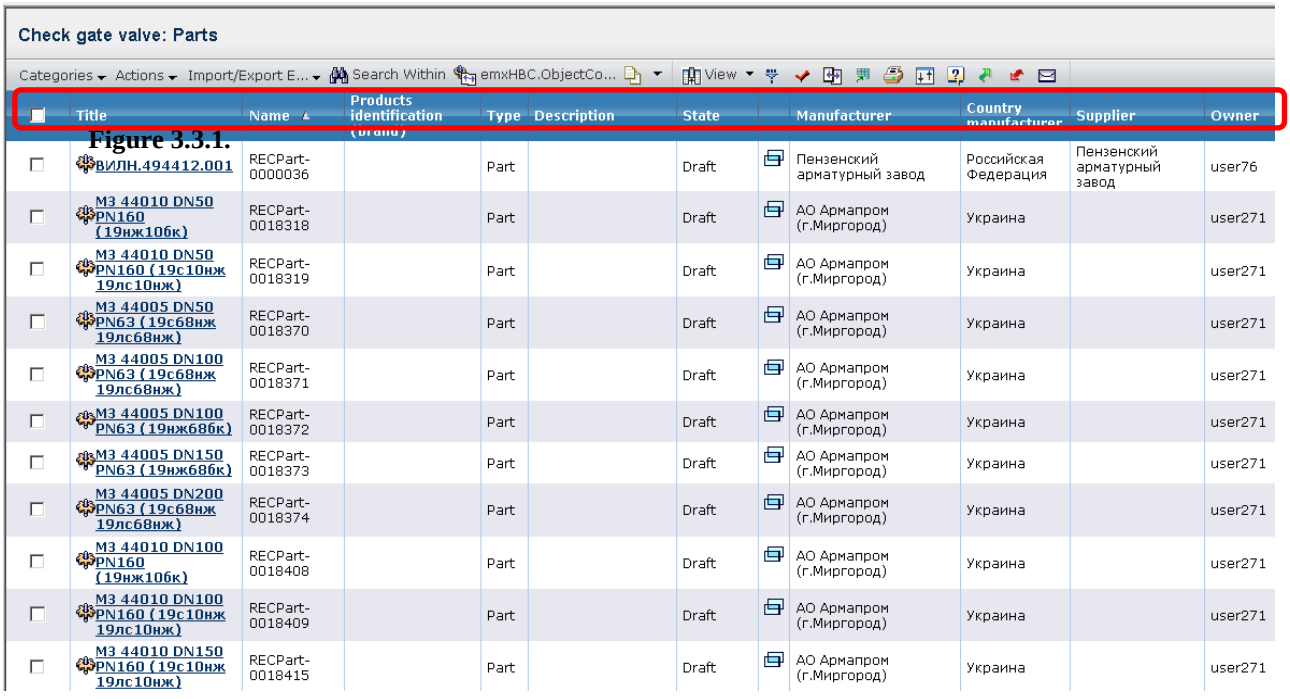


Figure 3.3.1.

3.3.1. User's view creation

Open the View menu

on the toolbar of the related object category (reference guide, section of the reference guide, documents, classifier, templates, cards).

Tick the required columns from the list of values (LOV) and add then into the field "Visible columns", or delete unnecessary columns from the list of visible ones using buttons .

If needed, change sequence of attribute columns using buttons .

Enter view name in the **System name** field and click the **OK** button.

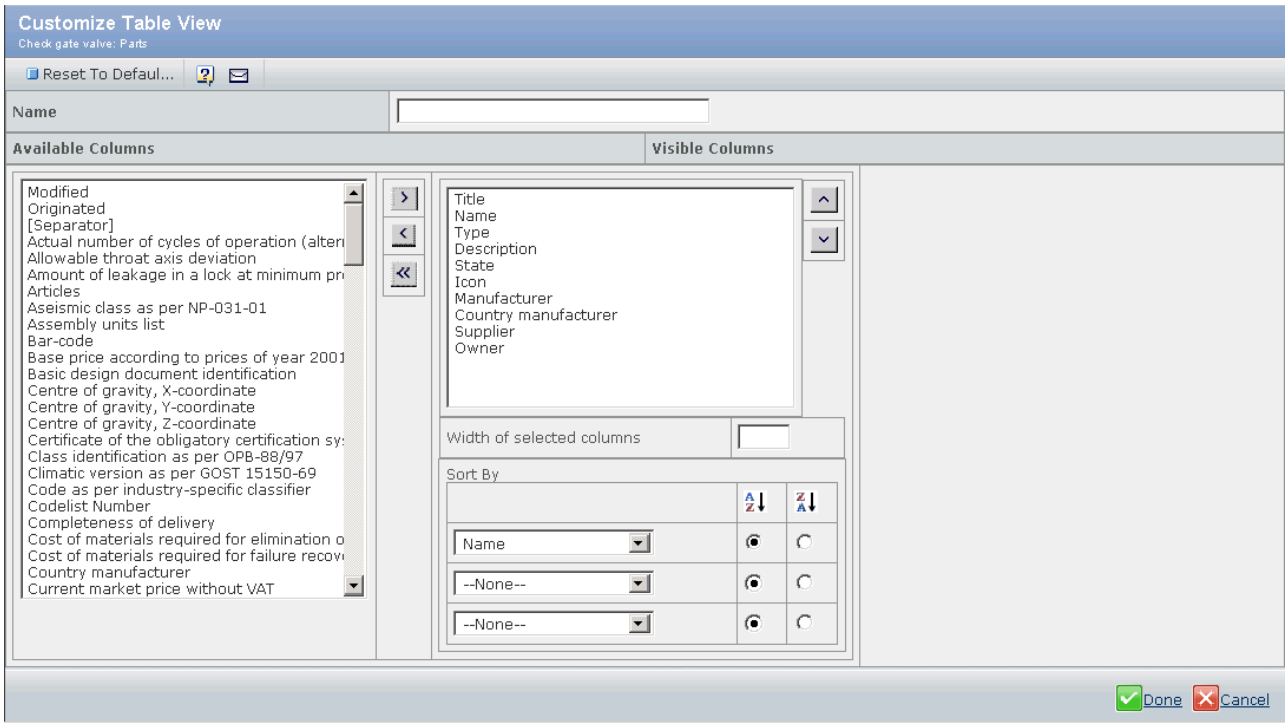


Figure 3.3.1.1.

3.3.2. View removing

1) Tick the view you want to remove.
2) Follow the menu brunch View > Remove the current view.

3.3.3. View editing

1) Tick the view you want to edit.
2) Follow the menu branch View > Edit the current view.

3.4. OBJECTS COMPARISON

This option enables to compare attributes of several objects regarding to the other object.

1) Open the template.

2) Tick the cards to be compared.

3) Click Compare.

4) In the new window select an object- base for comparison and click the **Next** button.

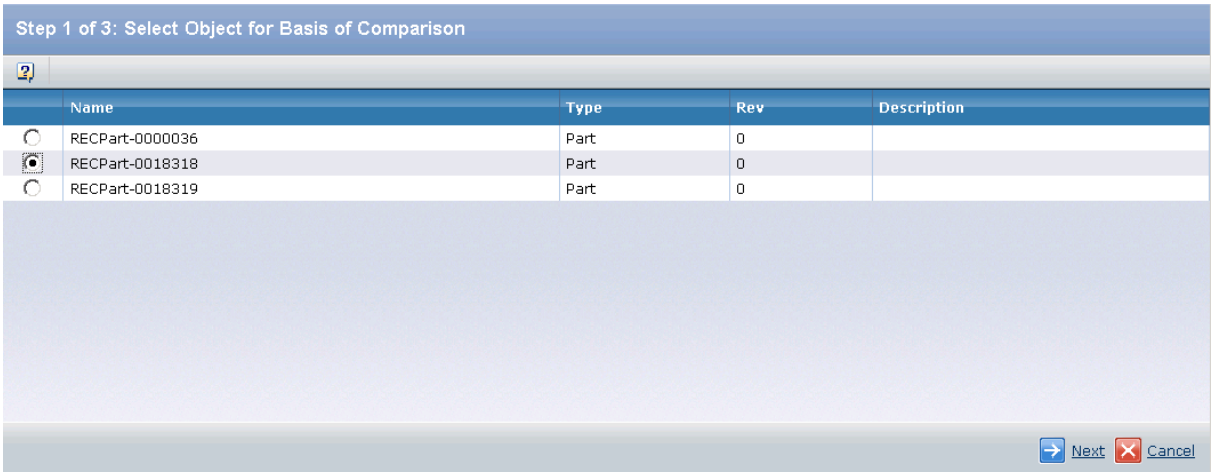


Figure 3.4.1

5) Select view type.

6) Tick attributes for comparison and click the **Next** button.

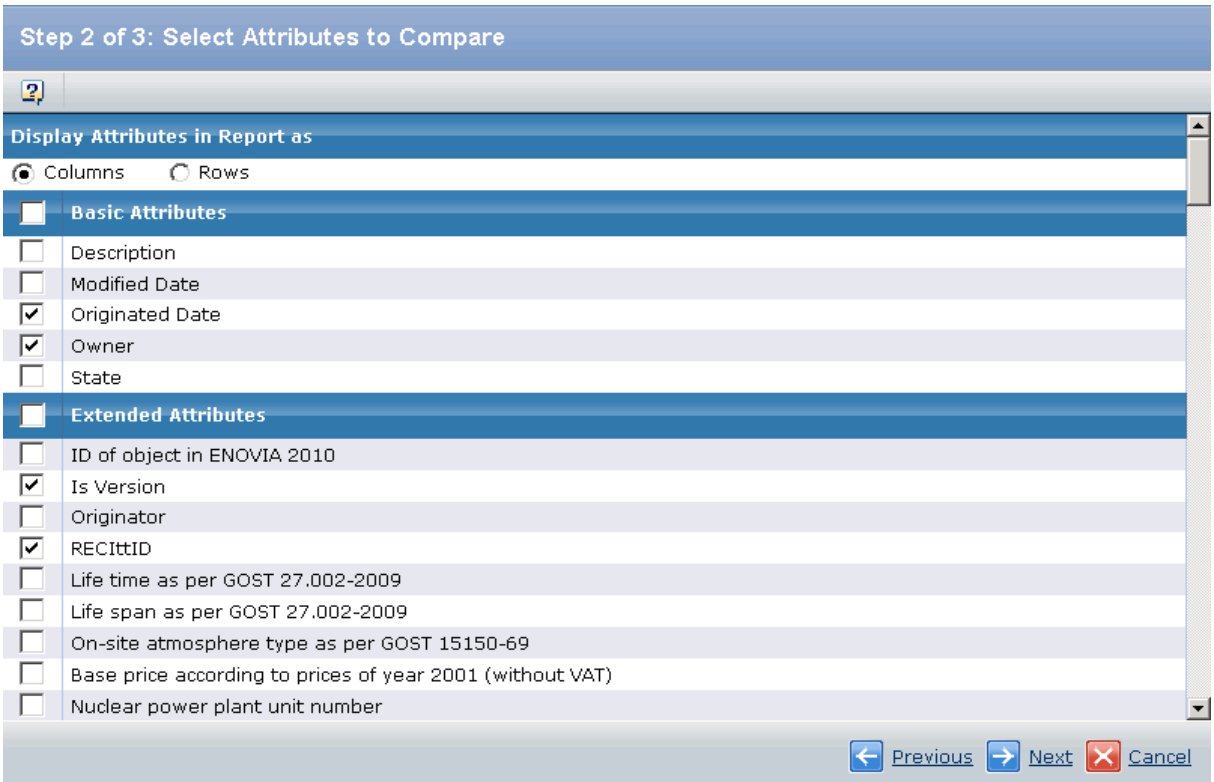


Figure 3.4.2.

А-112078 ПМ

7) Attributes that not coincide with attributes of the object-base are red colored.

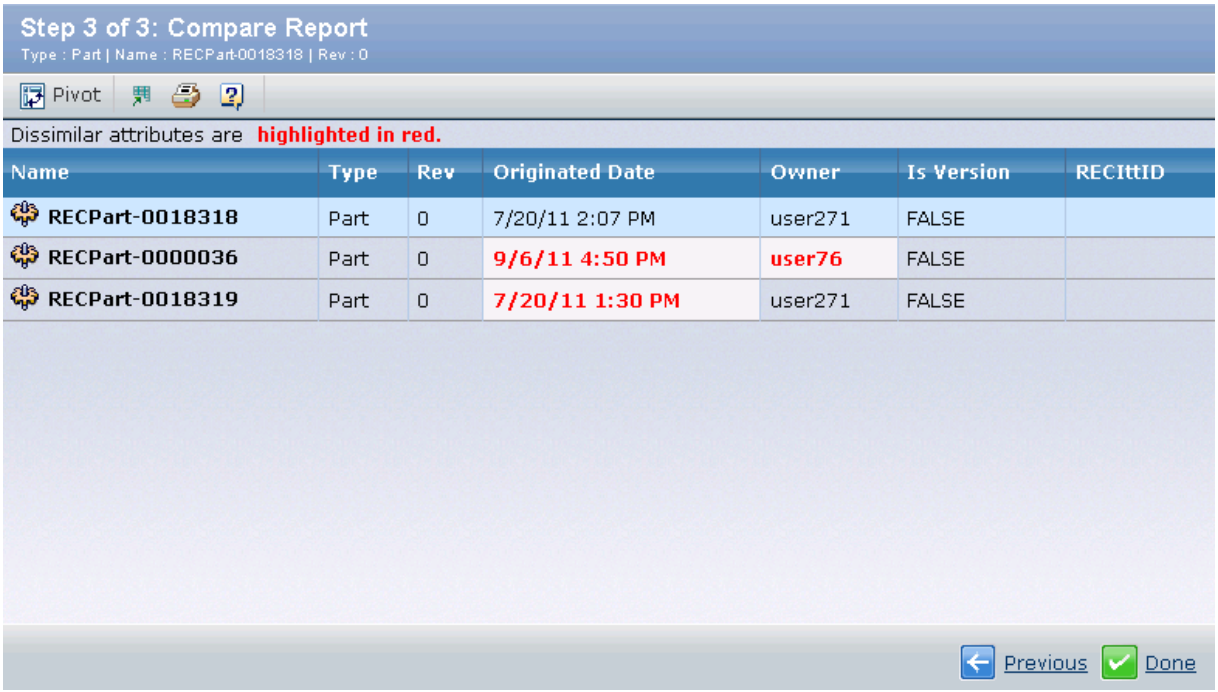


Figure 3.4.3.

8) It's possible to click the **Back** button and change the view or attributes of comparison.

3.5. MULTI-SORTING

This option allows sorting of objects by several columns simultaneously.
Open the template (or section of documents).

Click Multisorting.

In the new window select columns for sorting and click the **OK** button.

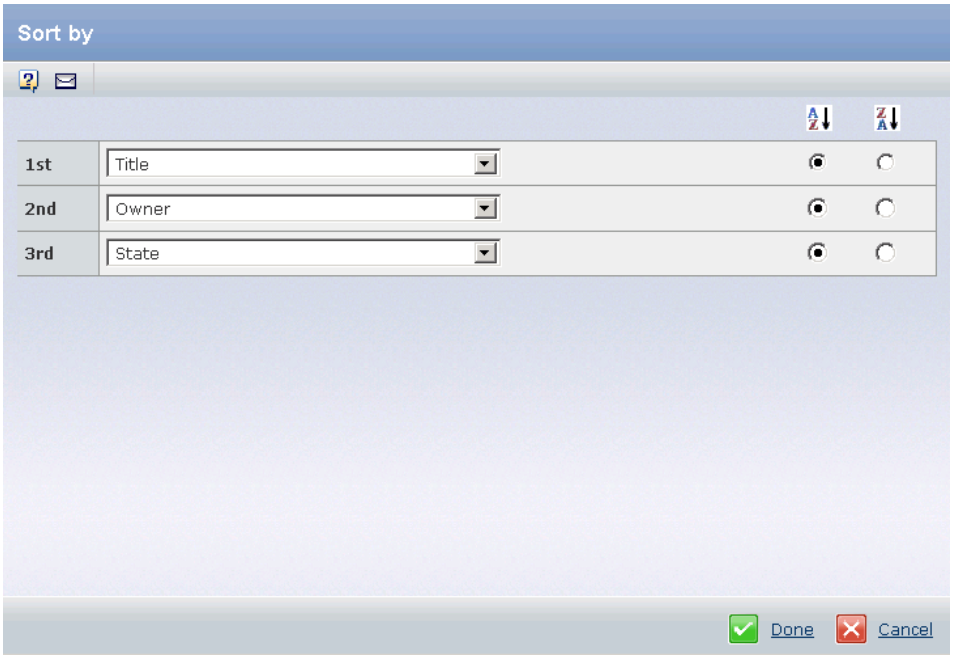


Figure 3.5.1.

3.6. AUTOFILTER SETTINGS

"Autofilter" menu enables to set up filtering of objects on the concrete page (for example, documents or cards).

1) Tick Autofilter.

2) To filter objects select the necessary attributes.

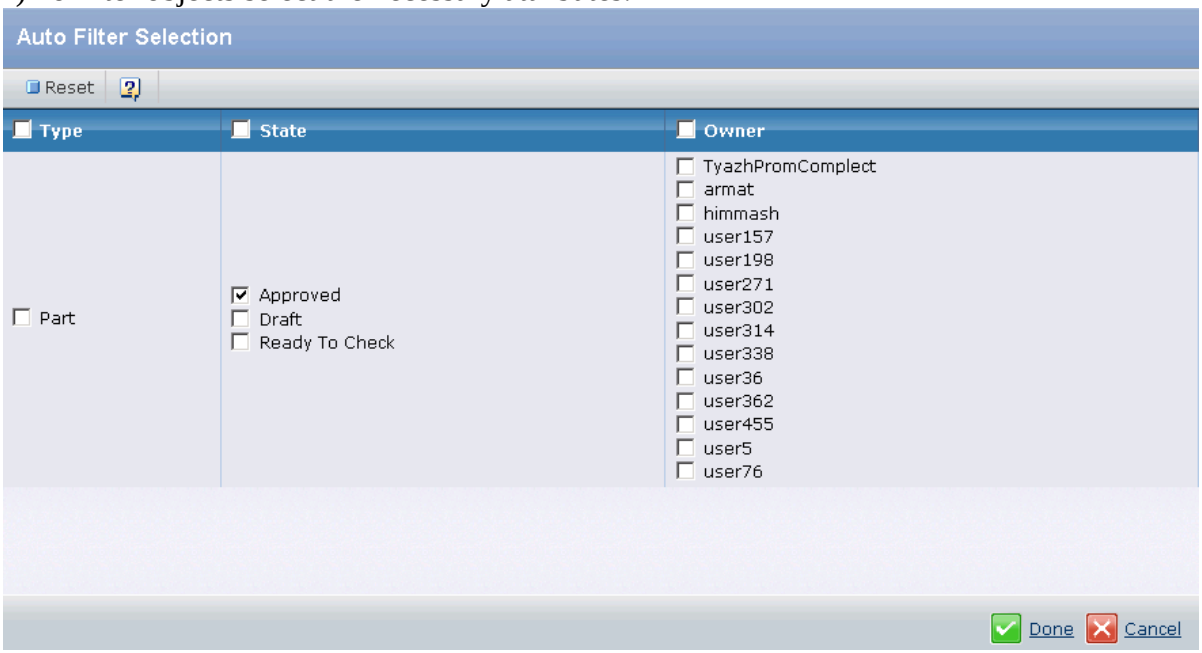


Figure 3.6.1.

3) Click the **OK** button.

4) The following message appears: New filter parameters will reset the previous values. To continue click the OK button.

5) Click the **OK** button.

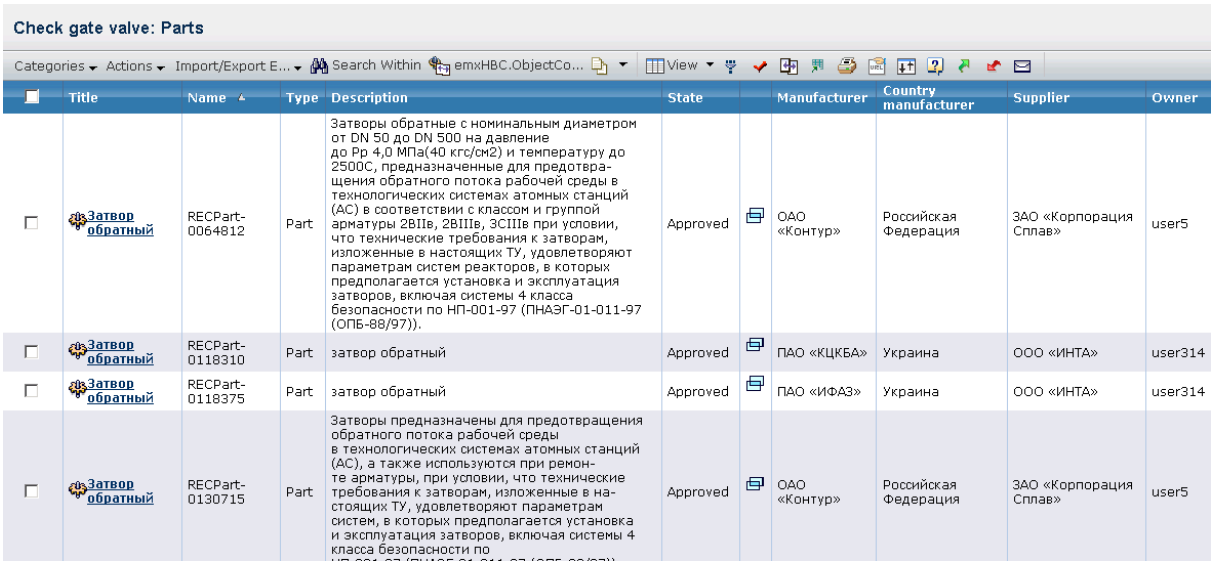


Figure 3.6.2.

3.7. FAVORITES

To obtain quick access to the often used objects it is necessary to upload them into the **Favorites** folder.

3.7.1. Adding objects in to the Favorites

1) Open library/ template/ /reference guide.

2) Tick the required objects to be added into the Favorites (templates, cards, documents, reference guides).

3) Click (the right arrow) and follow the menu branch New section / Add to Favorites.

4) Fill in the fields with:

a. name of new section for object addition or select the name from the LOV.

b. description, if needed.

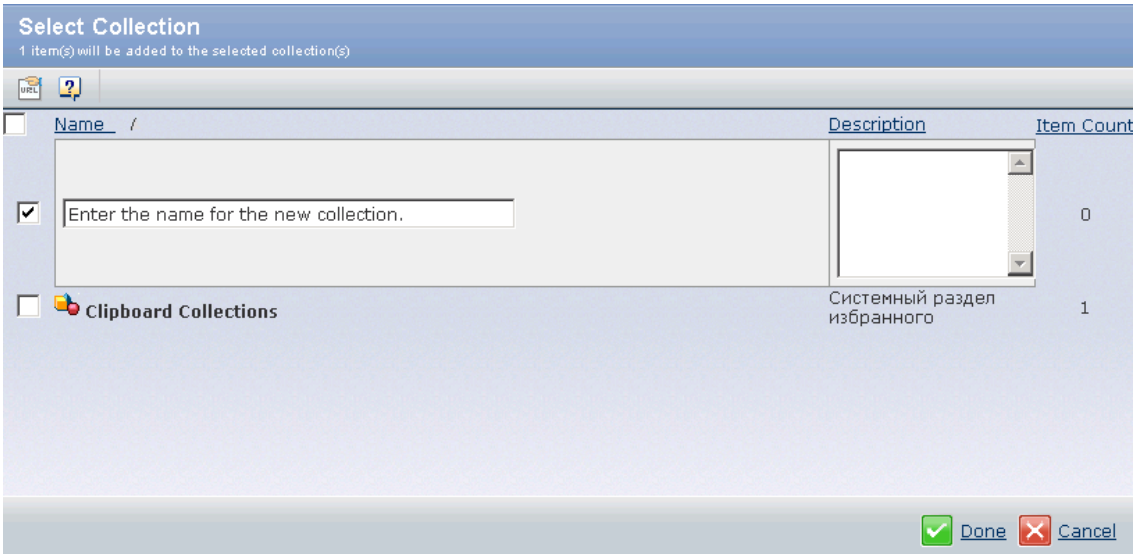


Figure 3.7.1.1.

5) Click the OK button, the following message appears:
Selected element(s) added.
Then click the **OK** button.

3.7.2. Viewing objects in the Favorites

1) Follow the menu branch My Enovia -> Favourites.

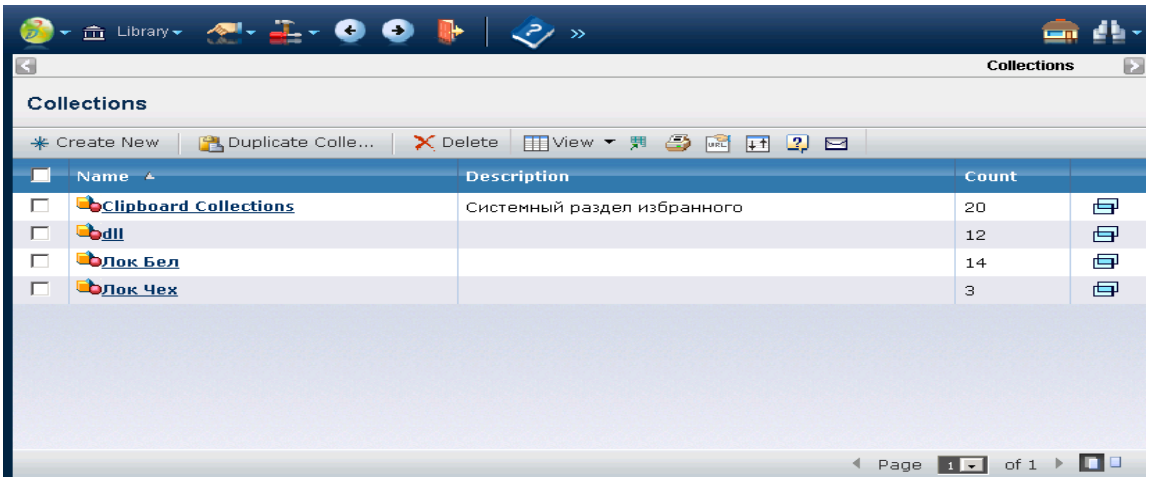
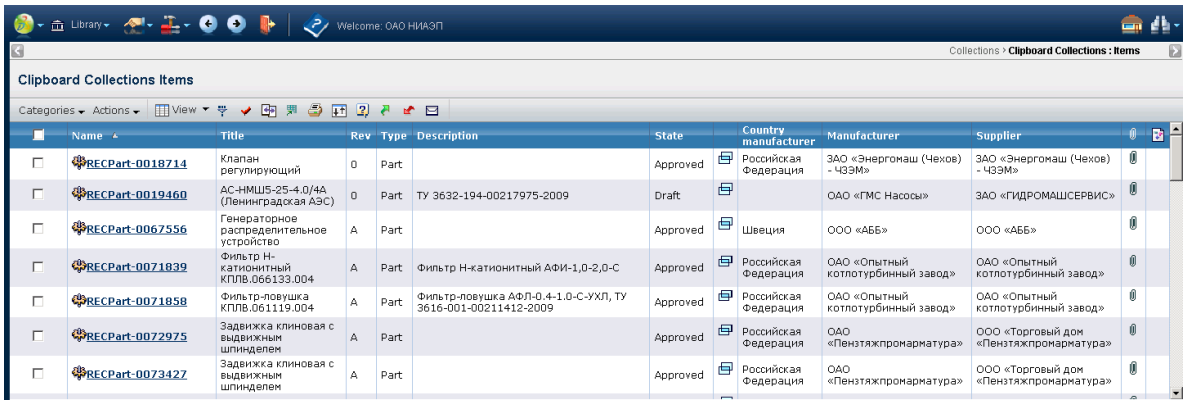


Figure 3.7.2.1.

2) Select the required section. All elements added to this section are available.



	Name	Title	Rev	Type	Description	State		Country manufacturer	Manufacturer	Supplier	
☐	RECPart-0018714	Клапан регулирующий	0	Part		Approved		Российская Федерация	ЗАО «Энергомаш (Чехов) - ЧЗЭМ»	ЗАО «Энергомаш (Чехов) - ЧЗЭМ»	
☐	RECPart-0019460	АС-НМШ5-25-4.0/4А (Ленинградская АЭС)	0	Part	ТУ 3632-194-00217975-2009	Draft			ОАО «ГМС Насосы»	ЗАО «ГИДРОМАШСЕРВИС»	
☐	RECPart-0067556	Генераторное распределительное устройство	A	Part		Approved		Швеция	ООО «АББ»	ООО «АББ»	
☐	RECPart-0071839	Фильтр Н-катионитный КПЛВ.066133.004	A	Part	Фильтр Н-катионитный АФИ-1,0-2,0-С	Approved		Российская Федерация	ОАО «Опытный котлотурбинный завод»	ОАО «Опытный котлотурбинный завод»	
☐	RECPart-0071858	Фильтр-ловушка КПЛВ.061119.004	A	Part	Фильтр-ловушка АФЛ-0.4-1.0-С-УХЛ, ТУ 3616-001-00211412-2009	Approved		Российская Федерация	ОАО «Опытный котлотурбинный завод»	ОАО «Опытный котлотурбинный завод»	
☐	RECPart-0072975	Задвижка клиновая с выдвижным шпинделем	A	Part		Approved		Российская Федерация	ОАО «Пензтяжпромарматура»	ООО «Торговый дом «Пензтяжпромарматура»	
☐	RECPart-0073427	Задвижка клиновая с выдвижным шпинделем	A	Part		Approved		Российская Федерация	ОАО «Пензтяжпромарматура»	ООО «Торговый дом «Пензтяжпромарматура»	

Figure 3.7.2.2.

3.7.3. Removing objects from the Favorites

1) Open the required section.
2) Tick the elements to be removed.
3) Follow the menu branch Actions >Remove. The given procedure removes elements only from the Favorites but not from the database.

3.7.4. Removing sections from the Favorites

1) Open > Favorites.
2) Tick the section to be removed.
3) Click the Remove button.
4) Select the removing scope:

- Only section (Only section of the Favorites is removed, all elements, it contains, remain in the database).

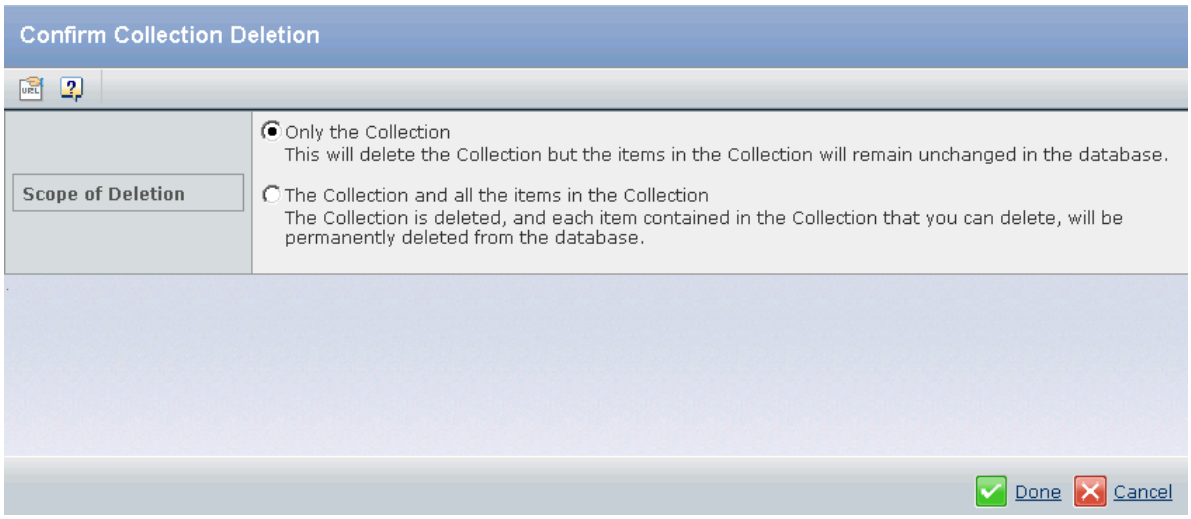

Confirm Collection Deletion
Scope of Deletion
Only the Collection
This will delete the Collection but the items in the Collection will remain unchanged in the database.
The Collection and all the items in the Collection
The Collection is deleted, and each item contained in the Collection that you can delete, will be permanently deleted from the database.
Done
Cancel

Figure3.7.4.1.

- - Section and all its elements (Note! Section and all its elements are removed from the database).

3.8. INTERFACE LANGUAGE SWITCH

To switch interface language it is necessary to change browser language:
- For Internet Explorer
- For Mozilla Firefox
- Service notification language switch

3.8.1. Internet Explorer

1) Follow the branch Service > Browser options > Languages.
2) Add the English language in the list and shift it up to the top of the list.
3) Click the OK button.
4) Click F5 (Update) to apply changes.

Note!

ENOVIA correctly supports two languages: English [en] and Russian [ru].

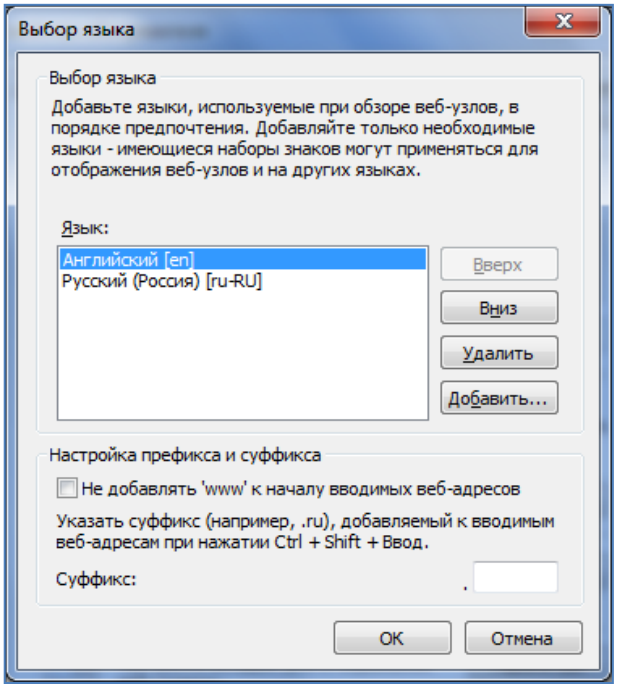


Figure 3.8.1.1.

When using language settings Russian/Russia [ru-RU], English/USA [en-us], etc. errors in ENOVIA application are probable.

3.8.2. Mozilla Firefox

1) Open **Settings**.
2) Click the Select button in the **Content** tab of the **Languages** field.
3) Add the English language and shift it up to the top of the list.
4) Click the **OK** button.
5) Click F5 (Update) to apply changes.

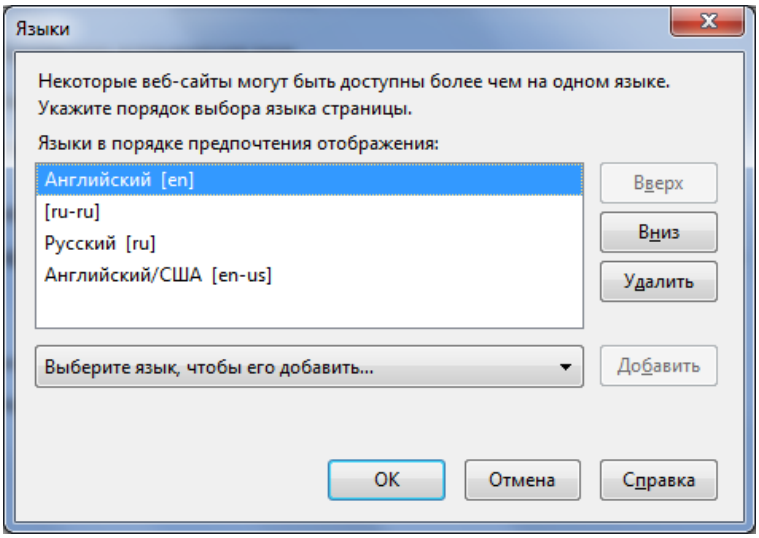


Figure 3.8.2.1.

Note!

ENOVIA correctly supports two languages: English [en] and Russian [ru].

When using language settings Russian/Russia [ru-RU], English/USA [en-us], etc. errors in ENOVIA application are probable.

3.8.3. Service notification language switch

1) Follow the branch Service > Settings;
2) Set up language by default > English > OK.
3) Click the **Log-out** checkbox on the main toolbar and log in to the system again.

3.9. NAVIGATION

To use elements of the Catalogue use the navigation toolbar: follow the related link to open the required element.

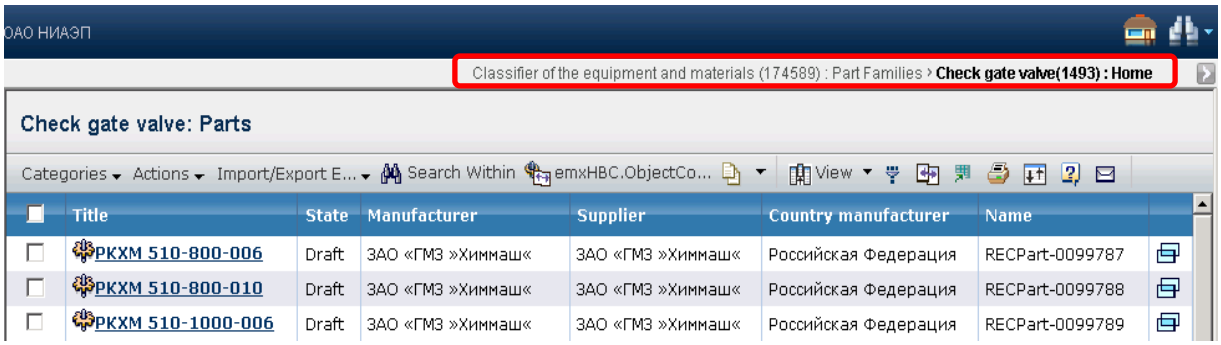


Figure 3.9.1.

4 REGISTRATION OF SUPPLIERS

4.1. REGISTRATION OF SUPPLIERS IN ENOVIA SYSTEM:

For correct registration it is necessary to review the brief description of each step and to prepare the required documents.
Procedure of registration contains 6 steps:

- Step 1: Terms of service
- Step 2: Information about the counterpart (company) and documents confirming the legal status
- Step 3: Assortment manufactured (filled by manufacturer)
- Step 4: Documents confirming the right for representation of interests
- Step 5: Assortment delivered
- Step 6: Top-stone of registration

4.1.1. Step 1: Terms of service.

It is necessary to review the given Terms and to check the box “I accept the terms of service”. The given Terms of services should be printed out and signed by the head of the company. Then the signed agreement should be sent by e- mail to JSC NIAEP addressed to the appointed expert and/or addressed to UNCEM e-mail (catalog@niaep.ru <mailto:catalog@niaep.ru>

4.1.2. Step 2: Information about the counterpart (company).

Step 2: Company Details
Fields in red italics and fields with star in table are required.
Use symbols «» in the organization name fields, e.g. «Star»)
Error in i18n string generation: Bundle= emxHandbookCentralStringResource Language = en Country = US key = emxHBC.Company.ReRegistrationLabel
Country
Russian Federation
Full name of the organization with form of ownership
Name
Name of the organization in English
Company Details
Tax Reference Number
Tax registration reason code KPP (only for Russian vendors)
All-Russian Classifier of Businesses and Organizations OKPO (only for Russian vendors)
All-Russia classifier of forms of ownership OKOPF (only for Russian vendors)
Contacts
Email
Phone Number
Fax
Website
Producer Factory
Comment

Figure 4.1.2.1.

А-112078 ПМ

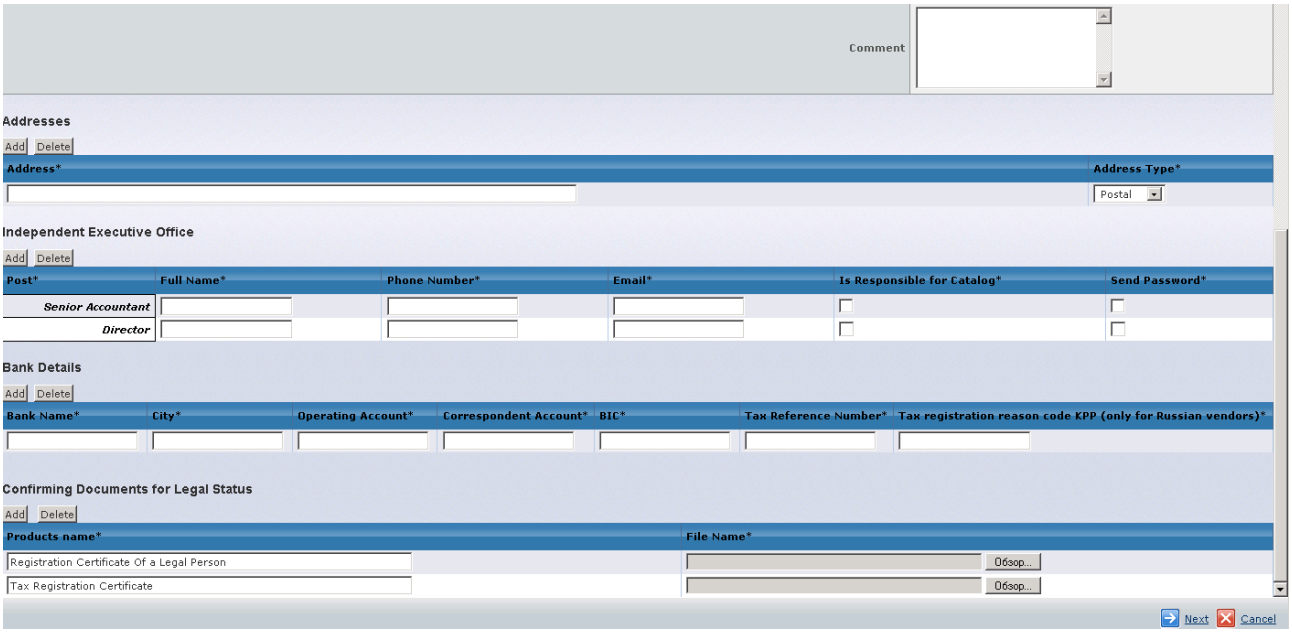


Figure 4.1.2.2.

The given window represents profile of the company. The fields marked by red italic as well as fields in tables are obligatory to be filled in.

In the Company denomination fields symbols «» should be used (symbols “” or ″ are prohibited to be used).

If your company is a manufacturer of products (used at the designing stage and delivered to NPPs) it is necessary to select check box in the Manufacturer field.

When check box in the Password field is selected, you receive notification that you have been successfully registered containing your personal login and password.

When check box in the Responsible for provisioning, then a user for the given contact will be automatically created after registration.

At this step you are obliged to upload documents confirming the legal status of your company in the Catalogue. The following documents are to be uploaded:

- Certificate of State Registration of the Legal Entity
- Tax registration certificate

There is a possibility to attach additional package of letters. For example, an excerpt from the Unified State Register of Legal Entities and etc.

Acceptable formats of the uploaded files are TIFF and PDF.

4.1.3. Step 3: Assortment manufactured.

The given window appears only for the companies which have selected check box in the Manufacturer field at the second step.

At the given step it is required to specify templates of equipment manufactured by your company as well as the terms of listing this equipment in the Catalogue. Then the schedule should be printed and signed by the head of the company. The signed schedule should be sent by e-mail by

А-112078 ПМ

e- mail to JSC NIAEP addressed to the appointed expert and/or addressed to UNCEM e-mail (catalog@niaep.ru <mailto:catalog@niaep.ru>).

If an template for equipment manufactured by your company is not available, then it is necessary to leave the remark with brief description of the required equipment. The given remark is a request for template creation and the expert, responsible for template creation, will contact with you.

4.1.4. Step 4: Documents confirming the right for representation of interests.

At the given step the status of the company in relation to the Manufacturer (Trading house, Distributor; Complex supplier) is specified. If your company is a Manufacturer then you can skip the given stage pressing the **Next** button.

Listing the company it is necessary:

1) To specify business partner relationship type.

2) To select a Manufacturer from the LOV by the company identification or ITPN..

If the required company is not listed it is necessary to fill the profile in the name of the company (step 2 form, in this case the fields obligatory to be filled are marked by red italic). Then select the required company from the LOV.

3) To attach the document confirming the present status, for example Agency contract, Procurement contract and etc.

4) It is required to indicate valid date of the document. Acceptable formats of the uploaded files are TIFF and PDF.

4.1.5. Step 5: Assortment delivered.

If your company is a Manufacturer and at the same time is able to deliver equipment manufactured by other factories, then at the given Step it is necessary to specify templates for equipment delivered but not manufactured by your company.

If your company is a Trading house, a Distributor or a Complex supplier, then at the given step it is necessary to compile the schedule of entering information in the Catalogue with templates and terms. Then the schedule should be printed and signed by the head of the company. The signed schedule should be sent by e-mail by e- mail to JSC NIAEP addressed to the appointed expert and/or addressed to UNCEM e-mail (catalog@niaep.ru).

If an template for equipment manufactured by your company is not available, then it is necessary to leave the remark with brief description of the required equipment. The given remark is a request for template creation and the expert, responsible for template creation, will contact with you.

4.1.6. Stem 6: Top-stone of registration.

At the given step it’s possible to print the filled forms. For this purpose click the button Print the compiled documents.

At the end of this step the following documents compiled in course of registration are sent to the appointed e-mail address::

- Terms of service (Step 1)

- Manufactured assortment (Step 3)
- Delivered assortment (Step 5)

At the end of registration information will be sent to the JSC NIAEP administrators for verification.

To finish registration answer the anti-spam question and click the Register button.

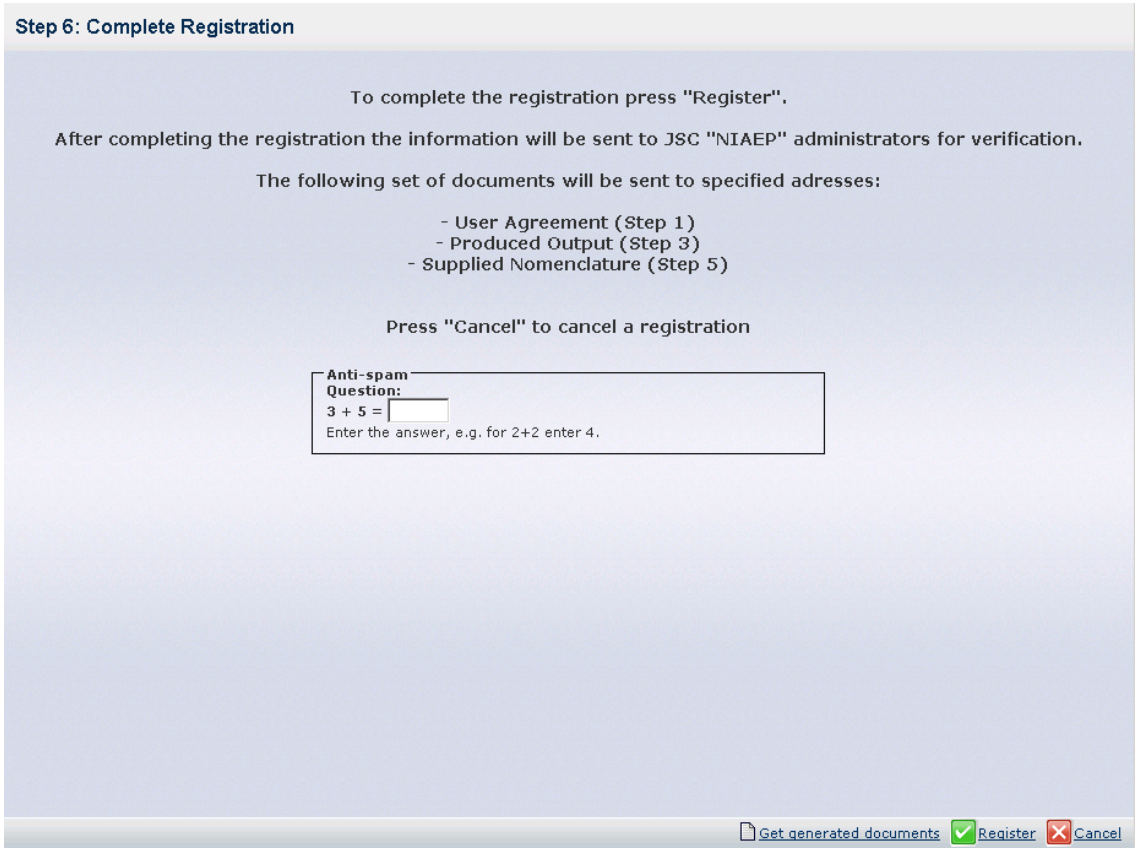

Step 6: Complete Registration
To complete the registration press "Register".
After completing the registration the information will be sent to JSC "NIAEP" administrators for verification.
The following set of documents will be sent to specified adresses:
- User Agreement (Step 1)
- Produced Output (Step 3)
- Supplied Nomenclature (Step 5)
Press "Cancel" to cancel a registration
Anti-spam
Question:
3 + 5 =
Enter the answer, e.g. for 2+2 enter 4.
Get generated documents
Register
Cancel

Figure 4.1.6.1.

5 COMPANY PROFILE

Information about the company given at registration is verified by the JSC NIAEP specialists. In case of successful verification the company is activated and receives a login and a password for authorized work with the Catalogue.

It's possible to edit information about your company by means of the edit function following the branch Service > My Company.

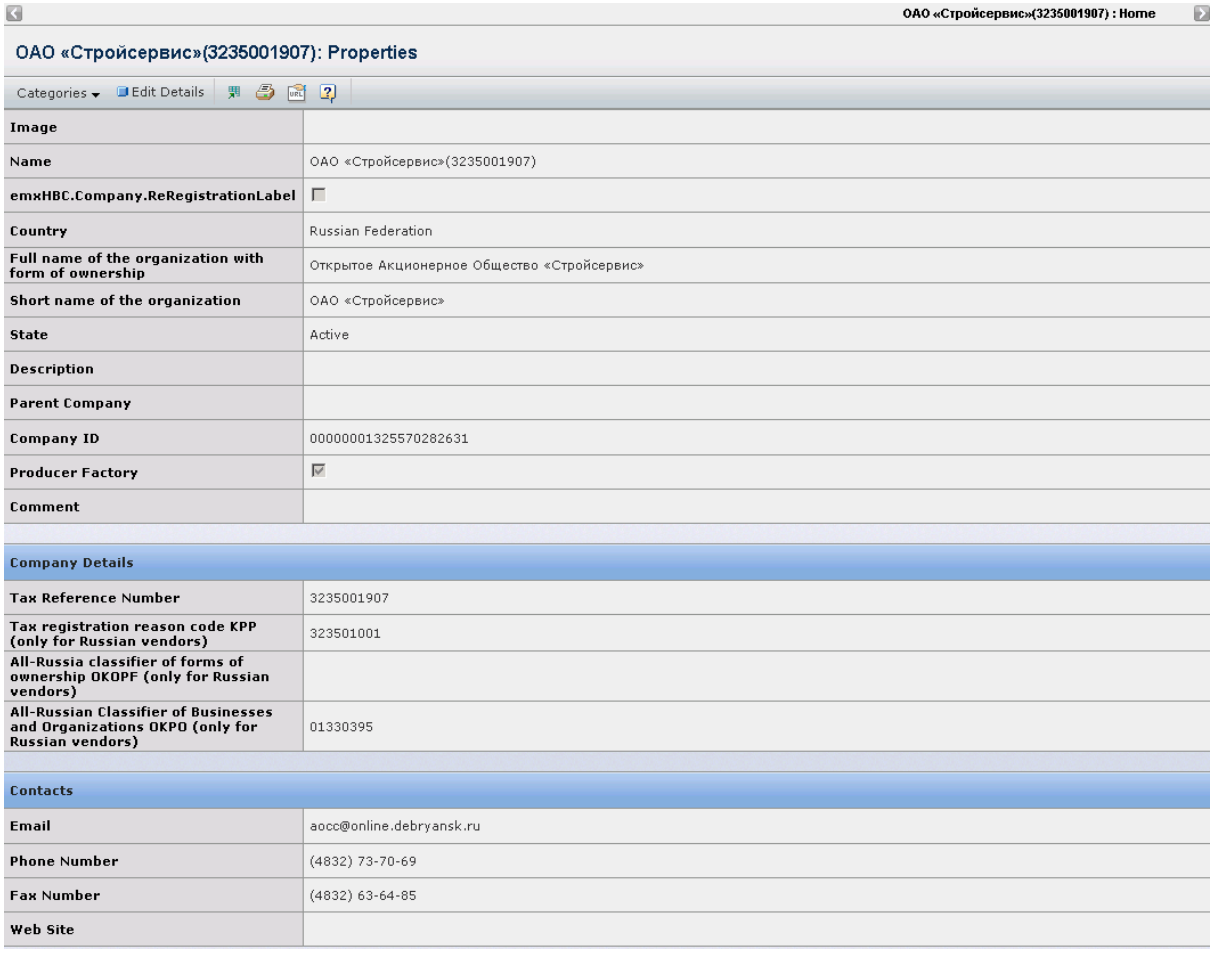
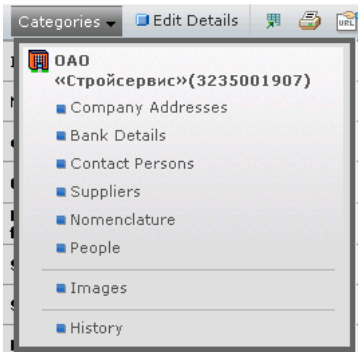


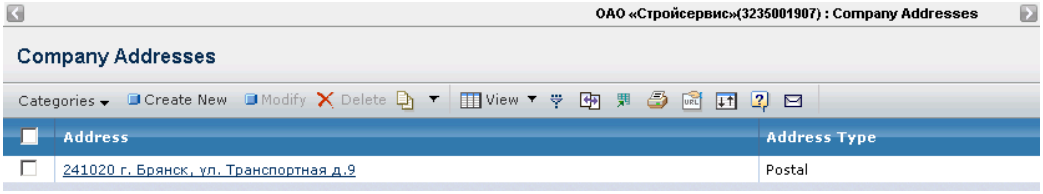
Figure 5.1.



Company category menu contains:
- Company addresses
- Bank details
- Contact Persons
- Manufacturers
- Documents
- Assortment
- Users
- Views
- History

5.1. COMPANY ADRESSES

The Company addresses window contains list of addresses of a company with identification of



their types (mail, actual, legal).

Figure 5.1.1.

To create, edit, remove address:

1) Follow the branch Service > My company.

2) Select the Addresses tab in the Categories menu.

3) Click the Create button on the toolbar (to edit/remove address click the Edit/Remove buttons respectively).

4) Fill in the fields:

a. type the address.

b. tick type of address: mail, actual, legal.

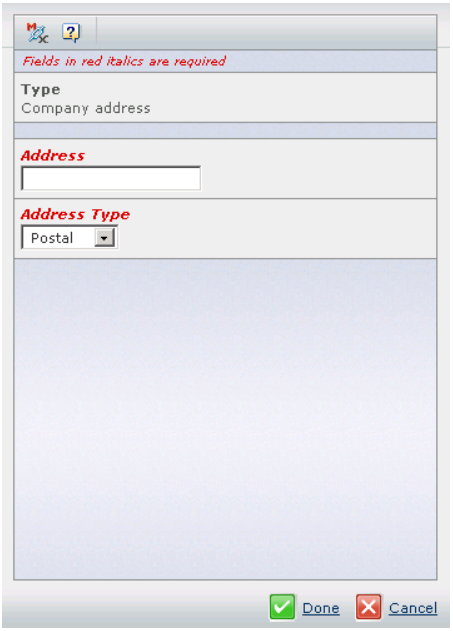


Figure 5.1.2.

5) Click the OK button.

5.2. BANK DETAILS

The bank details window contains bank requisites of a company.

5.2.1. Creationg, editing and removing bank details

1) Follow the branch Service > My company.
2) Select the Bank details tab in the Categories menu.
3) Click the Create button on the toolbar (to edit/remove address click the Edit/Remove buttons respectively).
4) Fill in the fields.
5) Click the OK button.

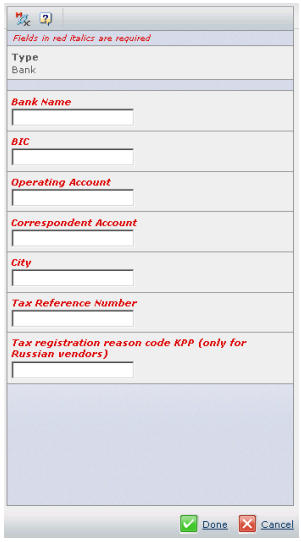


Figure 5.2.1.1.

5.3. CONTACTS

The Contacts window contains the list of Company persons to contact with..

5.3.1. Creating, editing and removing contacts

1) Follow the branch Service > My company.
2) Select the Contacts tab in the Categories menu.
3) Click the Create button on the toolbar (to edit/remove address click the Edit/Remove buttons respectively).
4) Fill in the fields.
5) Click the OK button.

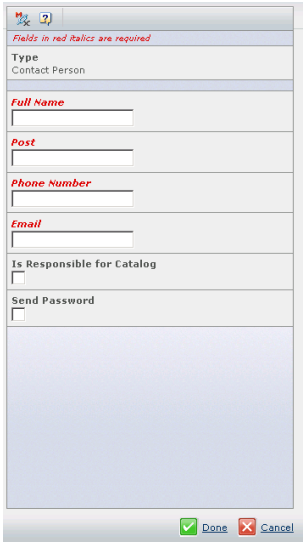


Figure 5.3.1.1.

5.4. MANUFACTURERS

The Manufacturers window contains information about manufacturers which interests the given company represents.

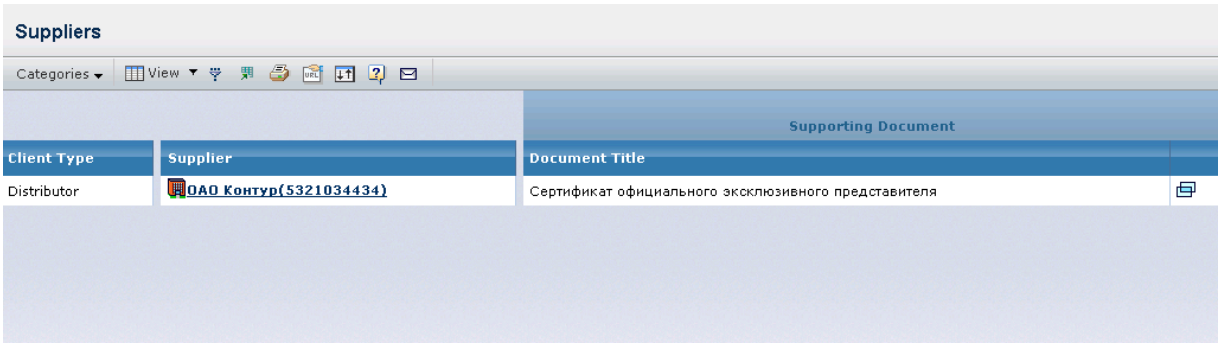


Figure 5.4.1.

5.4.1. Creating a manufacturer

1) Follow the branch Service > My company.
2)) Select the Manufacturers tab in the Categories menu.
3) Click the Create button on the toolbar.
4) Fill in the fields.

a. Select the company status in relation to the Manufacturer (Trading house, Distributor; Complex supplier).

b. Select a manufacturer from the LOV. If the required manufacturer is not listed, then it is necessary to fill in its profile.

c. attach the document confirming the present status, for example Agency contract, Procurement contract and etc.

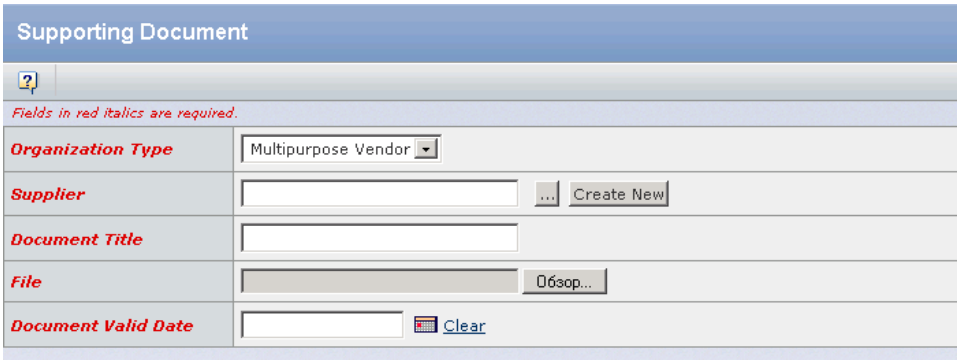


Figure 5.4.1.1.

5) Click the **Safe** button.

5.5. DOCUMENTS

The Documents window contains documents confirming legal state of the company.
For files editing see section Work with document files.

5.5.1. Adding documents

1) Upload the required document in the Documents library in section “Registration document” (see section Creating documents).
2) Follow the branch Service >My company.
3) Select the Documents tab in the Categories menu.
4) Click the Add button.
5) Input search criteria and click the Search button.
6) Tick the document and click the OK button.

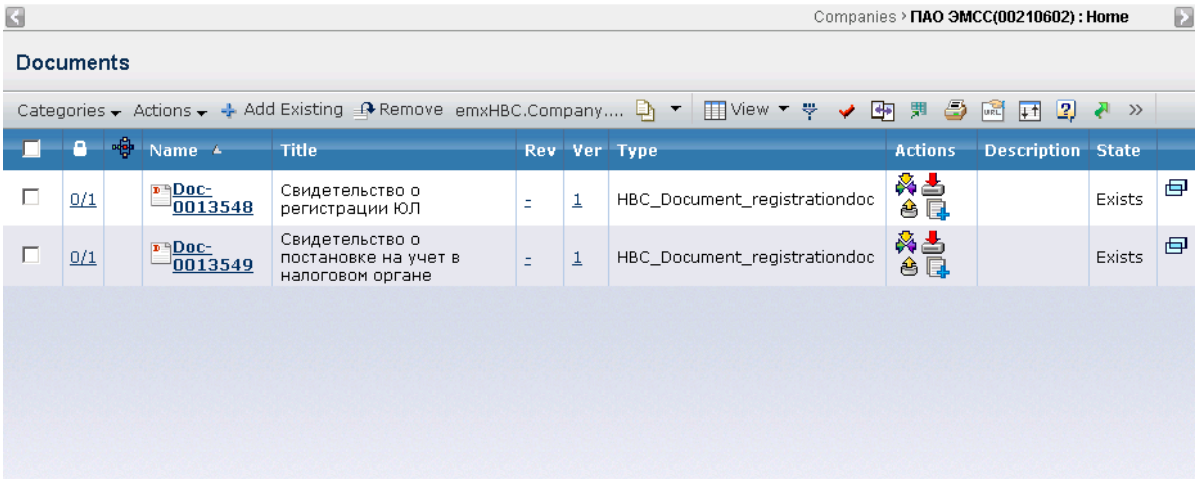


Figure 5.5.1.1.

5.5.2. Uploading documents

Documents are saved on the local computer..

1) Follow the branch Service >My company.
2) Select the Documents tab in the Categories menu.
3) Select the document from the LOV.
4) Click the Upload button.

5.5.3. Removing documents

1) Follow the branch Service >My company.
2) Select the Documents tab in the Categories menu.
3) Select the document from the LOV.
4) Click the Remove button.

5.6. ASSORTMENT

See Step 5: Assortment delivered.

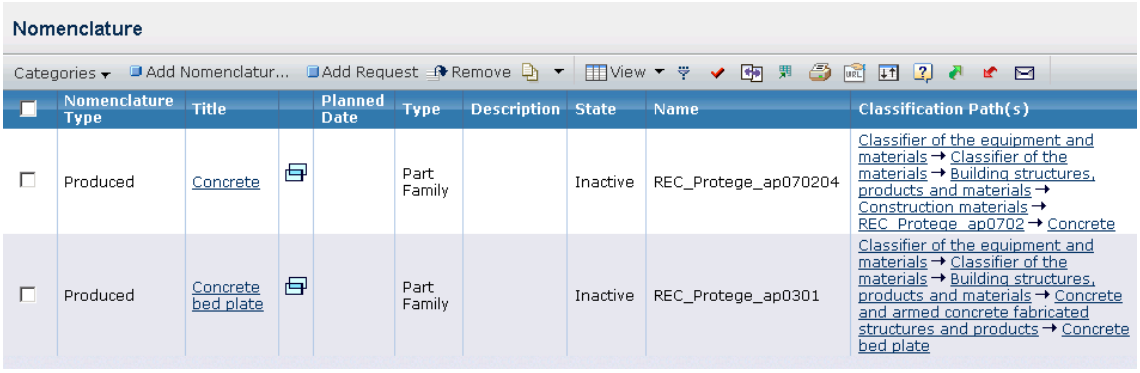


Figure 5.6.1.

5.6.1. Adding assortment

The given function enables to specify assortment of production delivered by your company ((templates of the Catalogue base structure).

1) Follow the branch Service >My company.
2) Select the Assortment tab in the Categories menu.

3) Click the Add button.
4) Fill in the fields and click the OK button.

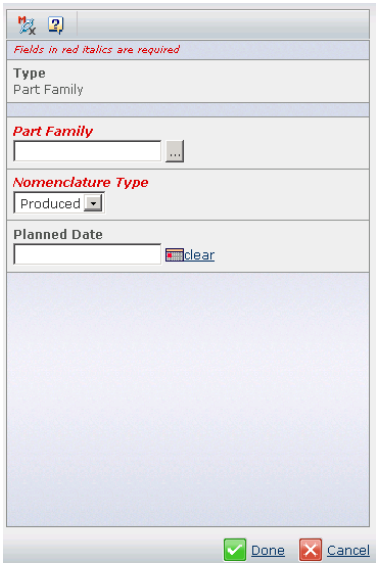


Figure 5.6.1.1.

5.6.2. Adding request

1) Create a request in the Request library (see section Work with requests).
2) Follow the branch Service >My company.
3) Select the Assortment tab in the Categories menu.
4) Click the Add button.
5) Fill in the fields and click the OK button.

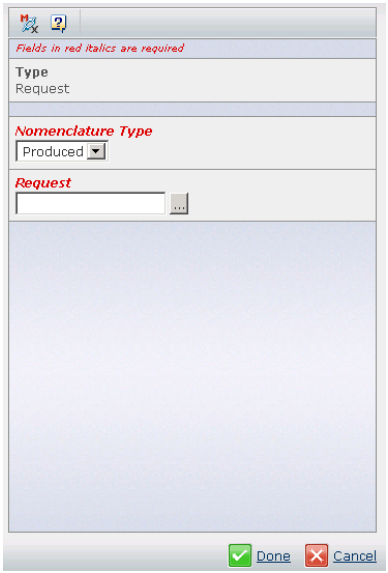


Figure 5.6.2.1.

5.6.3. Removing assortment

The given function allows removing assortment of production from the list of products delivered by your company.

1) Follow the branch Service >My company.
3) Select the Assortment tab in the Categories menu.
3) Select assortment from the LOV.
4) Click the Remove button.

5.7. USERS

The Users window contains the list of users of the given company.
Following the user's link it's possible to edit its profile.

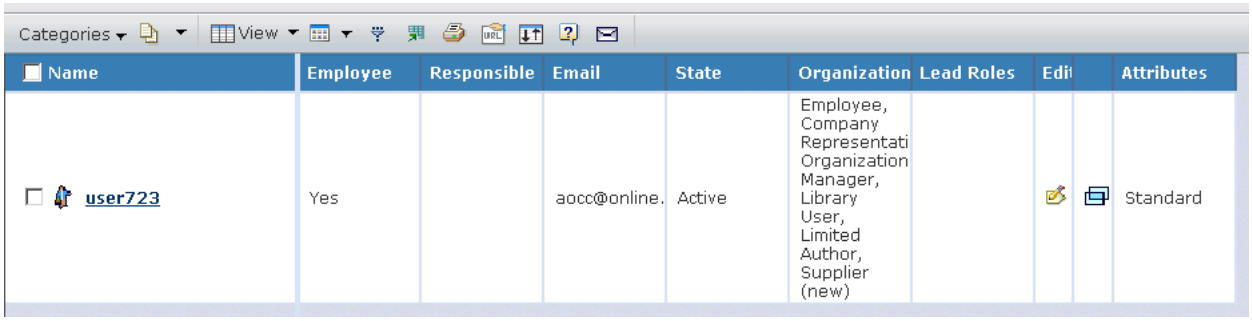


Figure 5.7.1.

5.8. VIEWS

Views are displayed in the company profile. The Corporate Identity should be uploaded in the present section.

5.8.1. Adding views

1) Follow the branch Service >My company.
2) Select the Views tab in the Categories menu.
3) Click the Add button.
4)Select files using the Browse button and then click OK.

5.8.2. Removing views

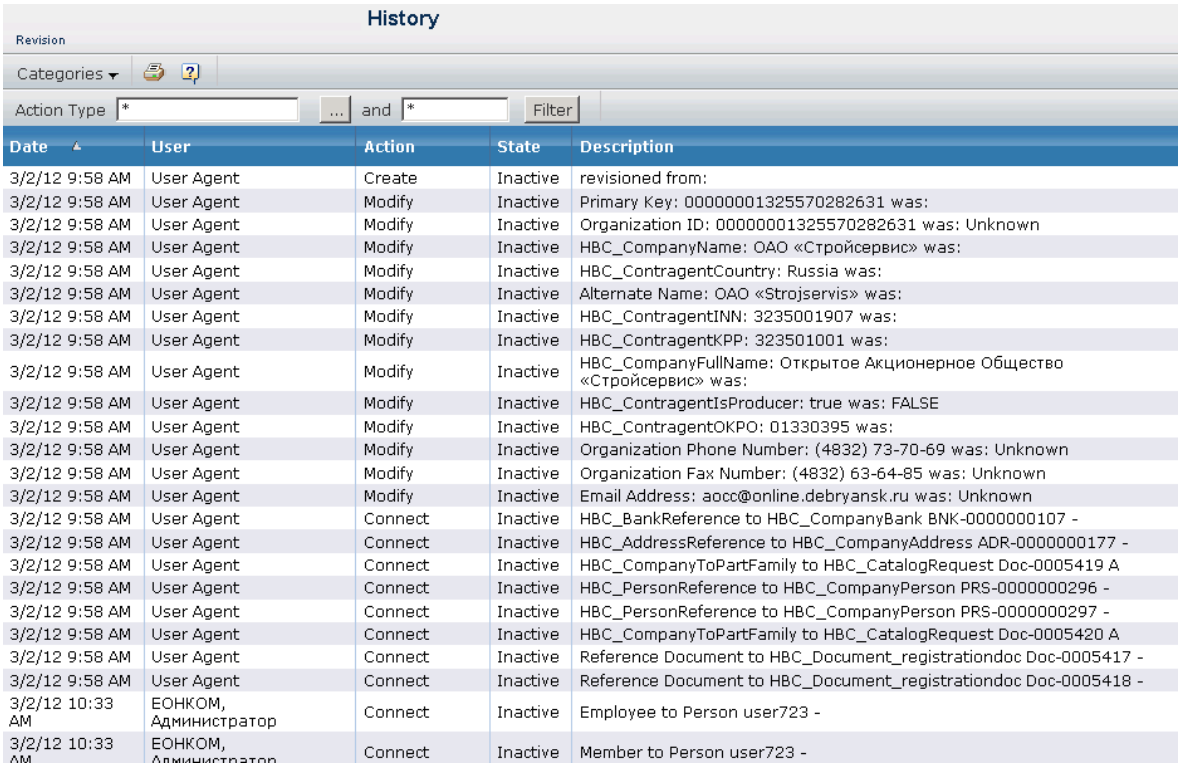
1) Follow the branch Service >My company.
2) Select the Views tab in the Categories menu.
3) Select the view.
4) Click the Remove button.

5.8.3. Setting up the main view

1) Follow the branch Service >My company.
2) Select the Views tab in the Categories menu.
3) Select the view.
4) Click the Main view button.

5.9. HISTORY

In the History window all information on actions related to the given object (company).



Date	User	Action	State	Description
3/2/12 9:58 AM	User Agent	Create	Inactive	revisioned from:
3/2/12 9:58 AM	User Agent	Modify	Inactive	Primary Key: 00000001325570282631 was:
3/2/12 9:58 AM	User Agent	Modify	Inactive	Organization ID: 00000001325570282631 was: Unknown
3/2/12 9:58 AM	User Agent	Modify	Inactive	HBC_CompanyName: ОАО «Стройсервис» was:
3/2/12 9:58 AM	User Agent	Modify	Inactive	HBC_ContragentCountry: Russia was:
3/2/12 9:58 AM	User Agent	Modify	Inactive	Alternate Name: ОАО «Strojservis» was:
3/2/12 9:58 AM	User Agent	Modify	Inactive	HBC_ContragentINN: 3235001907 was:
3/2/12 9:58 AM	User Agent	Modify	Inactive	HBC_ContragentKPP: 323501001 was:
3/2/12 9:58 AM	User Agent	Modify	Inactive	HBC_CompanyFullName: Открытое Акционерное Общество «Стройсервис» was:
3/2/12 9:58 AM	User Agent	Modify	Inactive	HBC_ContragentIsProducer: true was: FALSE
3/2/12 9:58 AM	User Agent	Modify	Inactive	HBC_ContragentOKPO: 01330395 was:
3/2/12 9:58 AM	User Agent	Modify	Inactive	Organization Phone Number: (4832) 73-70-69 was: Unknown
3/2/12 9:58 AM	User Agent	Modify	Inactive	Organization Fax Number: (4832) 63-64-85 was: Unknown
3/2/12 9:58 AM	User Agent	Modify	Inactive	Email Address: aocc@online.debryansk.ru was: Unknown
3/2/12 9:58 AM	User Agent	Connect	Inactive	HBC_BankReference to HBC_CompanyBank BNK-0000000107 -
3/2/12 9:58 AM	User Agent	Connect	Inactive	HBC_AddressReference to HBC_CompanyAddress ADR-0000000177 -
3/2/12 9:58 AM	User Agent	Connect	Inactive	HBC_CompanyToPartFamily to HBC_CatalogRequest Doc-0005419 A
3/2/12 9:58 AM	User Agent	Connect	Inactive	HBC_PersonReference to HBC_CompanyPerson PRS-0000000296 -
3/2/12 9:58 AM	User Agent	Connect	Inactive	HBC_PersonReference to HBC_CompanyPerson PRS-0000000297 -
3/2/12 9:58 AM	User Agent	Connect	Inactive	HBC_CompanyToPartFamily to HBC_CatalogRequest Doc-0005420 A
3/2/12 9:58 AM	User Agent	Connect	Inactive	Reference Document to HBC_Document_registrationdoc Doc-0005417 -
3/2/12 9:58 AM	User Agent	Connect	Inactive	Reference Document to HBC_Document_registrationdoc Doc-0005418 -
3/2/12 10:33 AM	ЕОНКОМ, Администратор	Connect	Inactive	Employee to Person user723 -
3/2/12 10:33 AM	ЕОНКОМ, Администратор	Connect	Inactive	Member to Person user723 -

Figure5.9.1.

6 ENTRY OF DOCUMENTS

6.1. LIBRARY “DOCUMENTATION”

The “Documentation” library is intended to manage documents. This library is classified according to document types.

For verification it is obligatory to fill in the following types:

- Specifications on the equipment entered into the Catalogue (Documentation confirming the declared characteristics);
- Licenses to design and manufacture equipment for NPPs (Conditions and terms of license validity are to be enclosed);
- Certificates of conformance (Certificates of conformance, Certification Center’s letter on optional certification of products);
- Product manual (Instruction manuals);
- 3D-models (see item 5.6. of this manual);

(Important! The name of the file entered into the documentation library should indicate the document type and the product to which the document is related: Specs 37-053-05015348-2008 Check valve).

For complete and detailed information on the equipment items placed into the Catalogue the following document types can be filled in:

- Standards and codes (GOST, OST, Building Codes etc.);
- Letters of authority and agreements (partnership, representation of interests etc.);
- Product data sheet;
- Specifications of finished products;
- Operating, storage, preservation and de-preservation guidelines etc.;
- Title documents and financial documents (charter, extract from the Unified State Register of Legal Entities, balance sheet etc.);
- Miscellaneous (electronic catalogue of equipment etc.).

The documents and data provided by suppliers are needed to verify the equipment card, to optimize designer’s choice and to resolve questions arising during equipment operation and service at NPP.

6.2. CREATING DOCUMENTS IN THE CATALOGUE

6.2.1. Creating documents

Take the following steps to create documents in the Catalogue:

1) Log in the Catalogue;
2) Go to the “Documentation” library;
3) Select the section corresponding to the document type to be added:

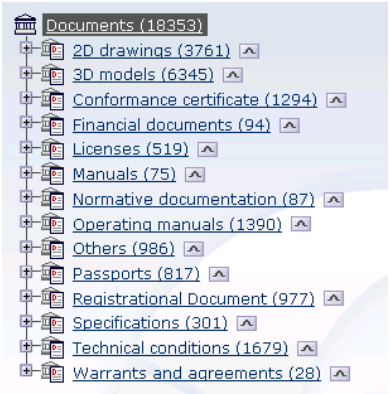


Figure 6.2.1.1.

4) Create document.

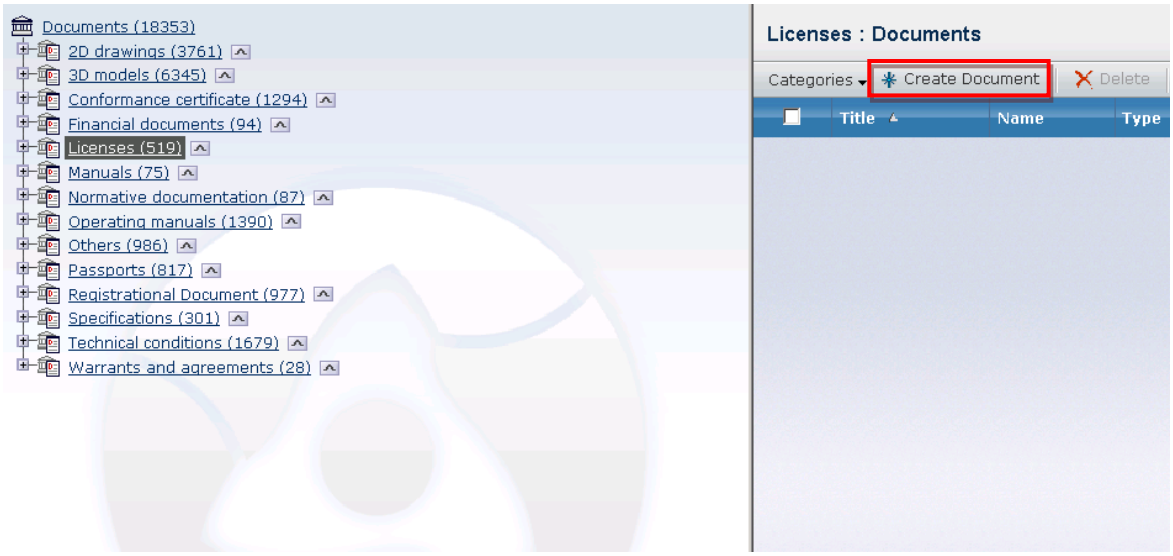


Figure 6.2.1.2.

5) Fill in the required fields in the opened window:

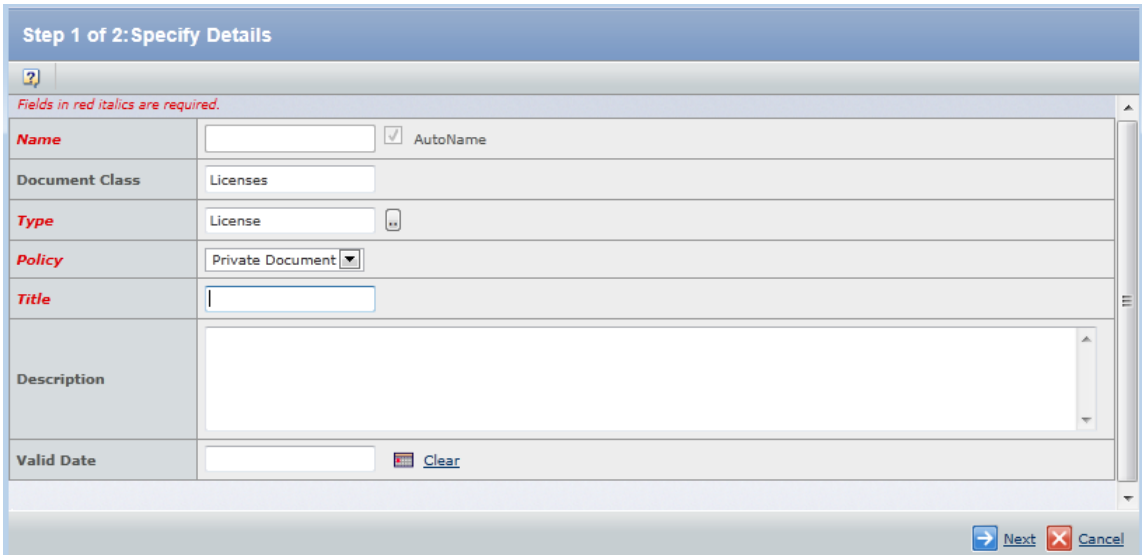


Figure 6.2.1.3.

a. System name – system document name – generated automatically.

b. Type – type of the created document, defined automatically and corresponds to the section in which the document is created.

c. Life cycle – document life cycle, Protected document is set by default.

d. Name – document name.

e. Description – document description. To make search for documents easier it is recommended to give the company name in the description.

6) Click Next.

7) Click Browse.

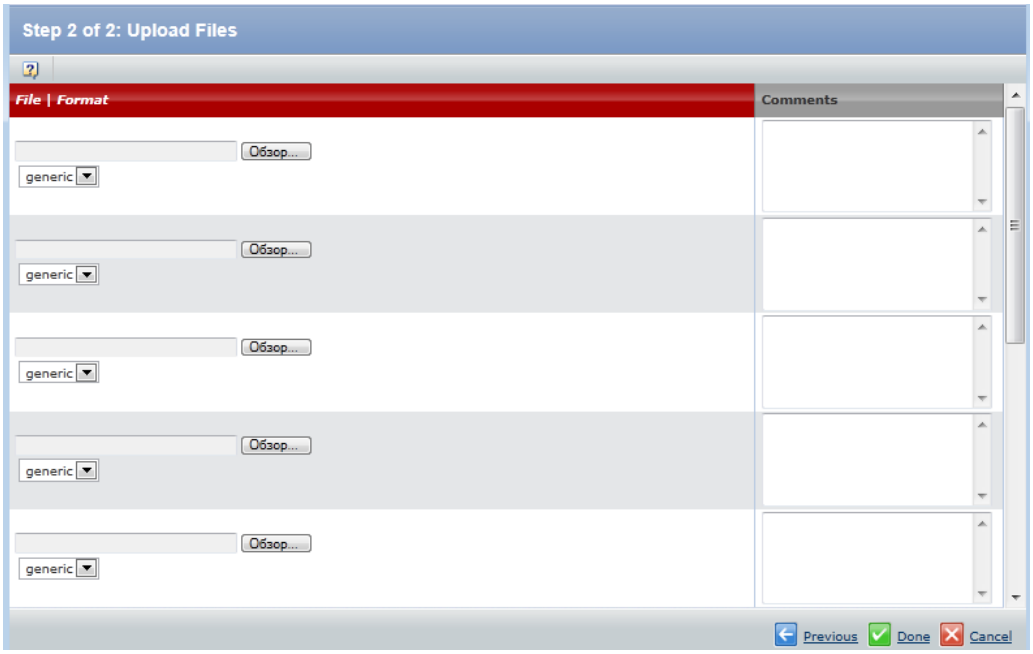


Figure 6.2.1.4.

8) Tick a file. The file format shall match the document section, in case of a different format the following message will be displayed showing the allowable formats:

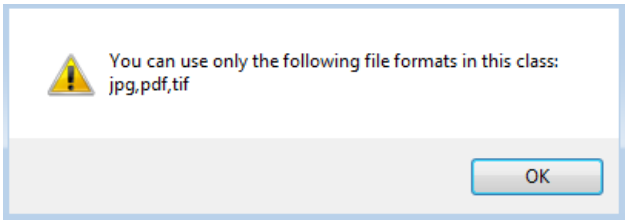


Figure 6.2.1.5.

9) If necessary fill in the “Comments” field.

10) If several files need to be attached, then repeat steps 8-9.

11) Click OK.

6.2.2. Creating Documents in Equipment Card

In this type of creation the document is attached from the very start to the card from which it has been created.

Steps to be taken to create a new a document in an equipment card:

1) Find and open an equipment card.

2) Go to the “Documentation” tab.

3) Follow the branch Actions → Create new.

4) Next do steps described in the Create Document.

After a document has been added, it can be attached to several cards, see Attach document to cards (steps 3-5).

In case of any questions when using this functionality contact your account consultant in JSC NIAEP.

6.2.3. Attaching Document to Cards (in Document)

1) Откройте требуемый документ в библиотеке «Документы».

2) Follow the branch Actions → Attach or go to the category Attached to cards and on the toolbar click the Attach button to card.

3) Select Find Cards for Attachment.

4) In the screen displayed define search parameters

5) In search results select the necessary cards and click Attach on the toolbar.

6.2.4. Attaching Documents to Cards (in Card)

1) Open a card.

2) Go to the Documentation tab of the card.

3) Follow the branch Actions → Attach Existing.

4) Enter criteria in the search box and click Find.

5) Tick the relevant documents and click Select.

6.2.5. Attaching Documents to Other Cards (in Card)

Steps to be taken to attach several documents already existing in one card to several other cards.

1) Open the card to which the necessary document is attached.

2) Go to the “Documentation” tab.

3) Tick the documents for attachment. To select all the documents, at first, expand the structure, then select all the documents putting a tick in the field “Name”.

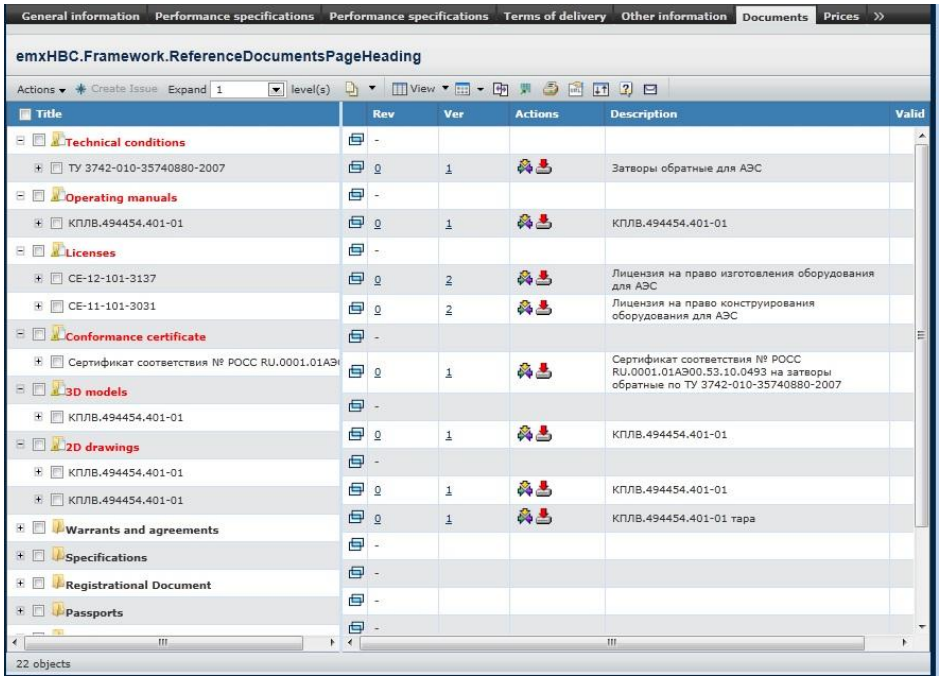


Figure 6.2.5.1.

4) On the toolbar click Actions → Attach to card.

5) Next see Attach Document to Cards (in Document) (steps 3-5).

6.3. CARDS LINKED TO DOCUMENT

View all the cards linked to the document:

1) Open a document.

2) Follow the branch Category -> Attached to cards.

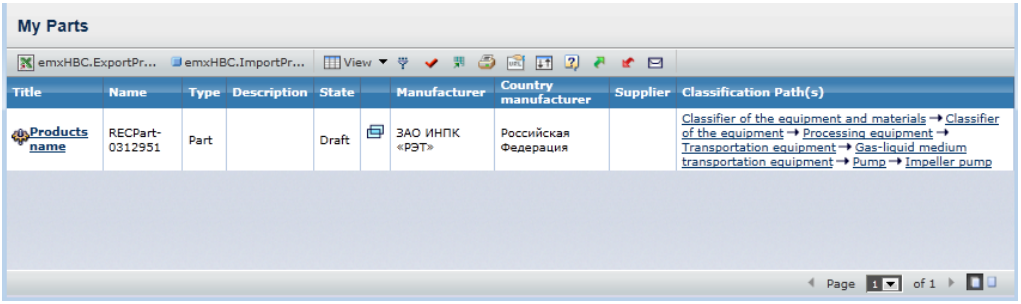


Figure 6.3.1.

6.4. REMOVING DOCUMENTS

6.4.1. Removing Documents from Card (in Card)

1) Откройте карточку.

2) Перейдите во вкладку «Документы».

3) 1) Open a card.

2) Go to the “Documentation” tab.

3) Tick documents for removal. To select all the documents, at first, expand the structure, then select all the documents putting a tick in the field “Name”.

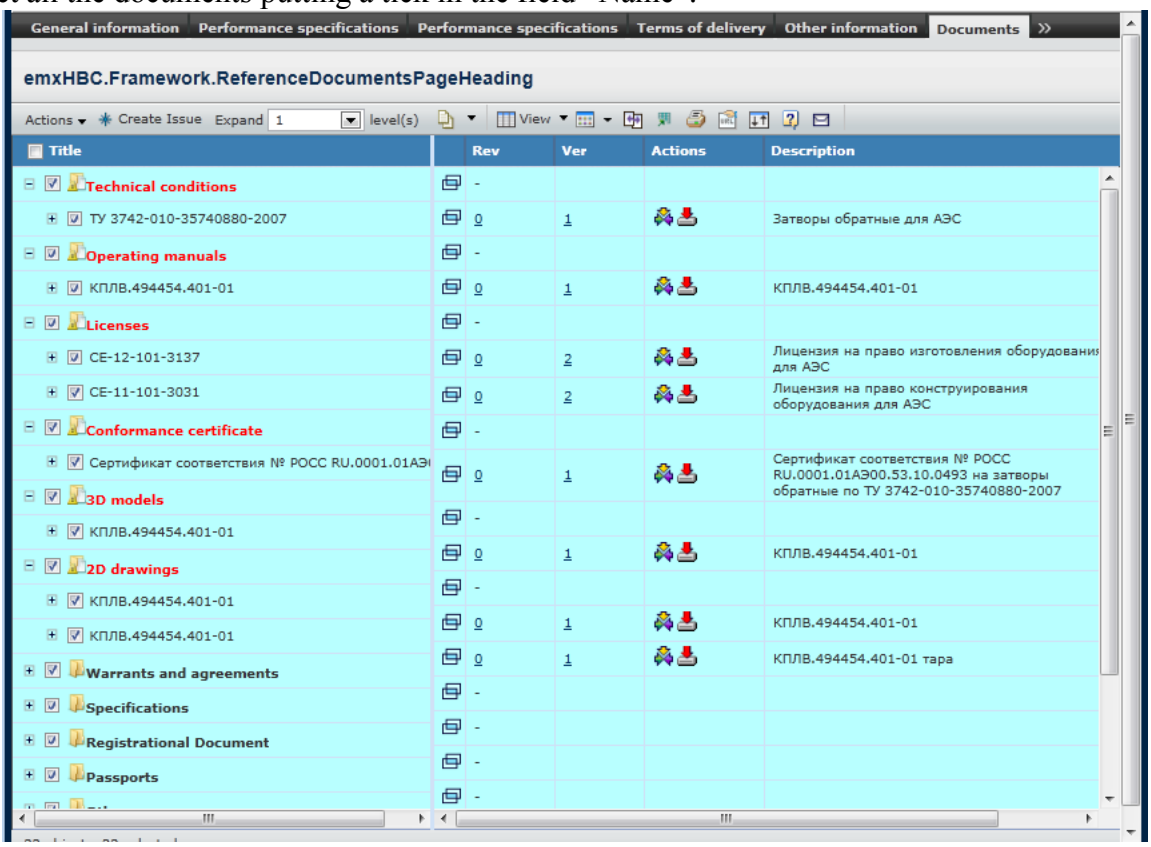


Figure 6.4.1.1.

4) Follow the branch Actions → Remove.

6.4.2. Removing Document from Card (in Document)

1) Open a document.
2) Follow the branch Category → Attached to cards.
3) Select the necessary cards.
4) Click Remove.

In case of any questions when using this functionality contact your account consultant in JSC NIAEP.

6.4.3. Editing Document Attributes

1) Open the needed document.
2) On the toolbar select Actions →Modify.
3) Edit the necessary fields.
4) Click OK.

6.5. WORKING WITH DOCUMENT FILES

6.5.1. Updating Attached Files

1) Open a document by clicking the document name or open it in a new window by clicking the button .

2) Click the button (Check out) in the column Actions.

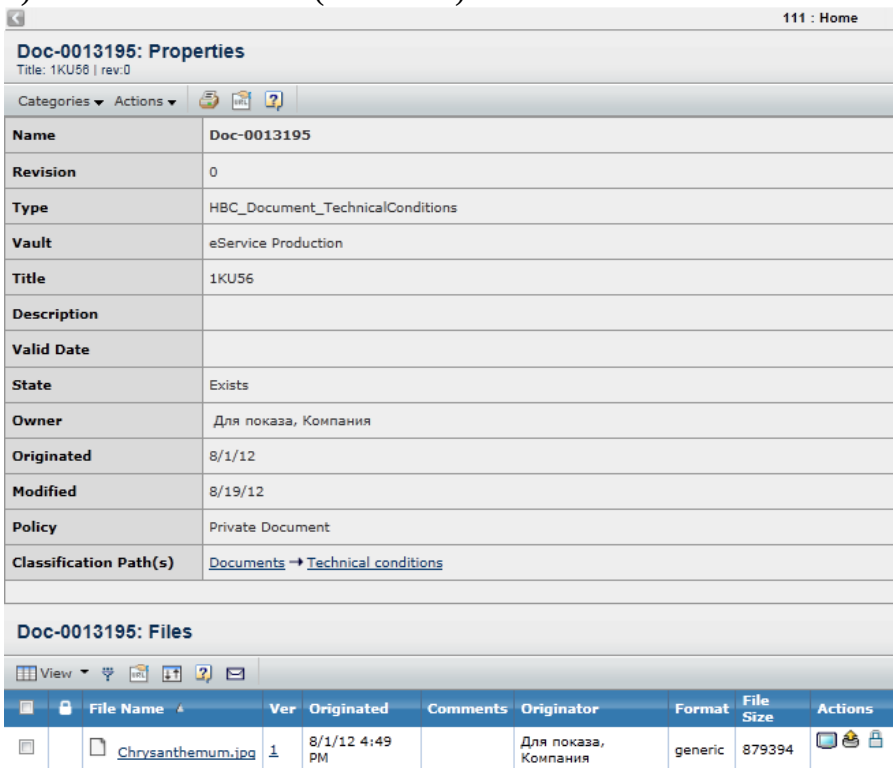


Figure 6.5.1.1.

3) Open the file and edit it.

4) In the column Actions hit the button (Update files).
5) Select the file in the new window.
6) Enter comments if necessary.

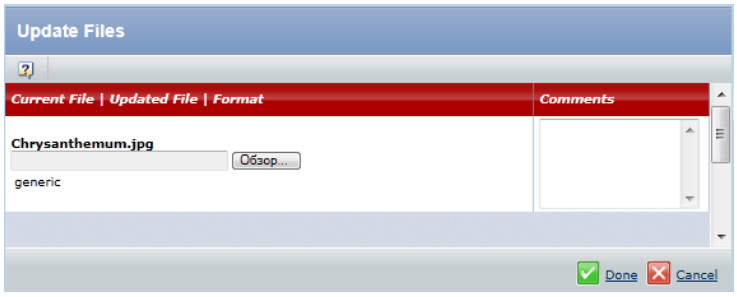


Figure 6.5.1.2.

7) Click Done.

6.5.2. Adding files

1) Open a document.
2) On the toolbar select Actions →Add.
3) Select files using the Browse button.
4) Click Done.

6.5.3. Removing files

1) Open a document.
2) Tick files to be deleted.
3) On the toolbar select Actions →Delete Version/Delete All Versions.
4) The following message will be displayed: You are going to delete the selected files from the document. You will not be able to access the deleted files. Hit OK button to continue. Hit Cancel button to cancel.
5) Click Done.

6.6. 3D MODEL UPLOAD REQUIREMENTS

Design 3D model is a “light” model showing an external view, overall dimensions, installation and connection sizes, used in computer-aided design, not more than 5 Mb.

Detail design 3D model is a detailed 3D model showing all major parts of equipment assembled on NPP site offering virtual assembly/disassembly option and also view options to be used during installation, operation, maintenance and decommissioning, less than 100 MB.

6.6.1. General Requirements for Models

- Individual 3D models should be created for every model and standard size of equipment.
- Detail design 3D model is developed on request of JSC NIAEP Verification Center.

6.6.2. Design 3D Model Upload Requirements

1) A model shall be formatted as .sat;
2) The file size shall not exceed 5 Mb;
3) A model shall be an integrated whole and shall not have components (it shall be a 3D unit);
4) The 3D model file name shall be as follows: equipment design version as per Specifications, written in Latin letters. For example, for adsorber UPA 047.00.00.000 the file name will be as “Filter adsorber_UPA 047.00.00.000.sat”.
5) Model scale shall be 1:1;
6) Requirements for model building:
- The zero point shall belong to a model;

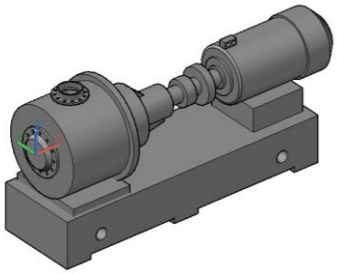


Figure 6.6.2.1.

- An equipment model shall contain the following:
- overall dimensions;
- mounting sizes (sizes for mounting – hole diameters, position of holes in frames, supports etc.);
- connection sizes – showing pipeline and vent connections, gauge connections, pads, flanges, connections of electric cables, sleeves etc.
- support and frame sizes.
- If equipment is supplied together with counter flanges, flanges shall be shown in the design 3D model.
- Shipping plugs are not shown in the design 3D model.

7) If equipment requires maintenance area, this area shall be shown in the form of a frame model in a separate sat file. The zero point in the sat-file for maintenance area and in the sat-file for design 3D model shall match. The sat-file name for maintenance area shall be as follows: “Equipment design version as per specifications, written in Latin letters ZONA OBSLUG”.

For example, for adsorber UPA 047.00.00.000 the file name shall be “Filter an adsorber_UPA 047.00.00.000_ ZONA OBSLUG.sat”.

List of tools to generate .sat formatted 3D models.

Tool	Format	Export to format
		ACIS
AutoCAD	.dwg	.sat
Inventor	.ipt	.sat
Компас	.m3d	.sat
SolidWorks	.sldprt	.sat
Pro/ENGINEER	.drw	.sat

А-112078 пм

7 WORKING WITH EQUIPMENT CARD

The library “Catalogue Basic Structure” is intended to manage equipment classes, sub-classes and cards.

Every terminal element of all the branches of the equipment and materials classifier has a unique equipment card template with its own group of general and type attributes. Equipment is classified against its functional purpose and design which helps to avoid double entry of equipment into the Catalogue and to optimize the database. The number of classification levels has been optimized to make the Catalogue structure and its use simpler and easier.

7.1. SEARCHING FOR EQUIPMENT CARD TEMPLATE

There are two ways to search for templates in order to create and search for an equipment card:
- quick keyword-based searching for a template (see 7.2);
- selecting a terminal element in the classifier.

7.1.1. Selecting a Terminal Element in the Classifier

Library→Catalogue basic structure.

Move in the classifier and select the necessary equipment template:

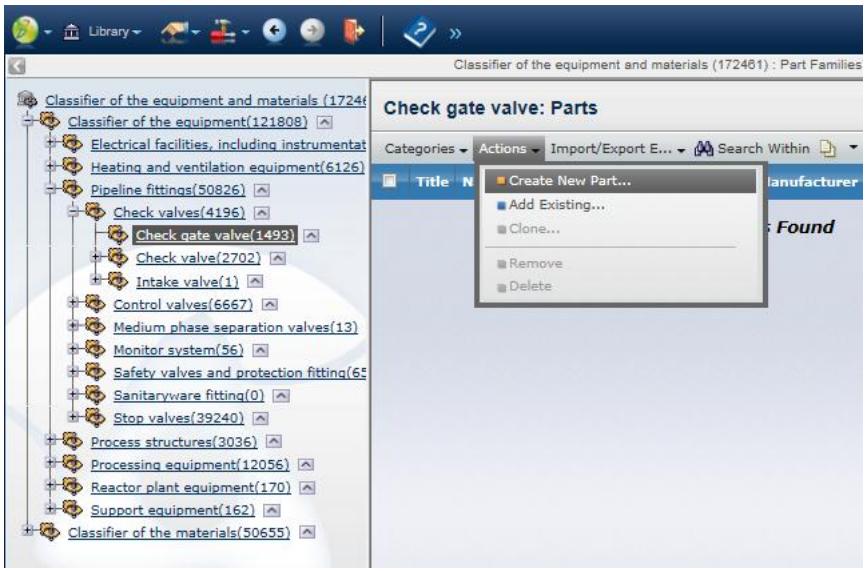


Figure 7.1.1.

7.2. CREATING EQUIPMENT CARD

1) Select a terminal branch in the classifier.
2) Next follow the branch Actions →Create Equipment Card.
3) Enter header and General characteristics in the Create Equipment Card screen:

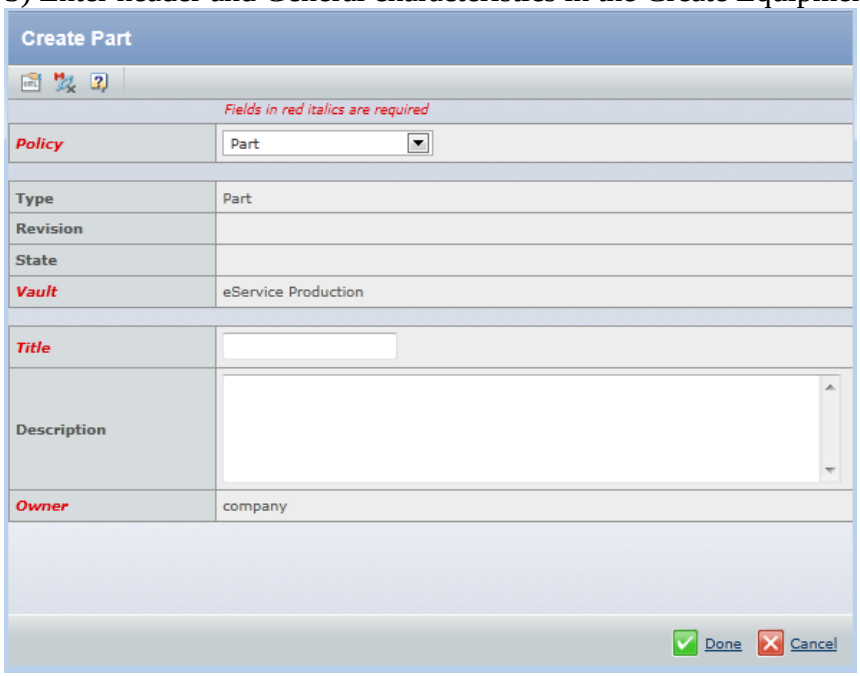


Figure 7.2.1.

Enovia limits the number of characters to be entered in different fields.
4) Click Done.
After card is created it is necessary to edit attributes:

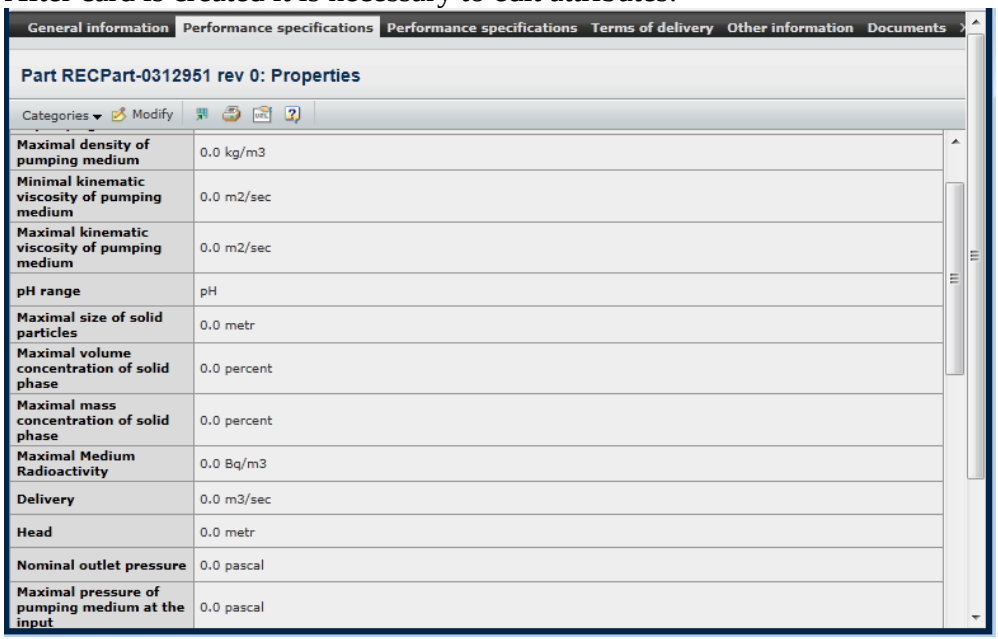


Figure 7.2.2.

1) Go to tab with attributes and click Modify.
2) Fill in necessary fields:

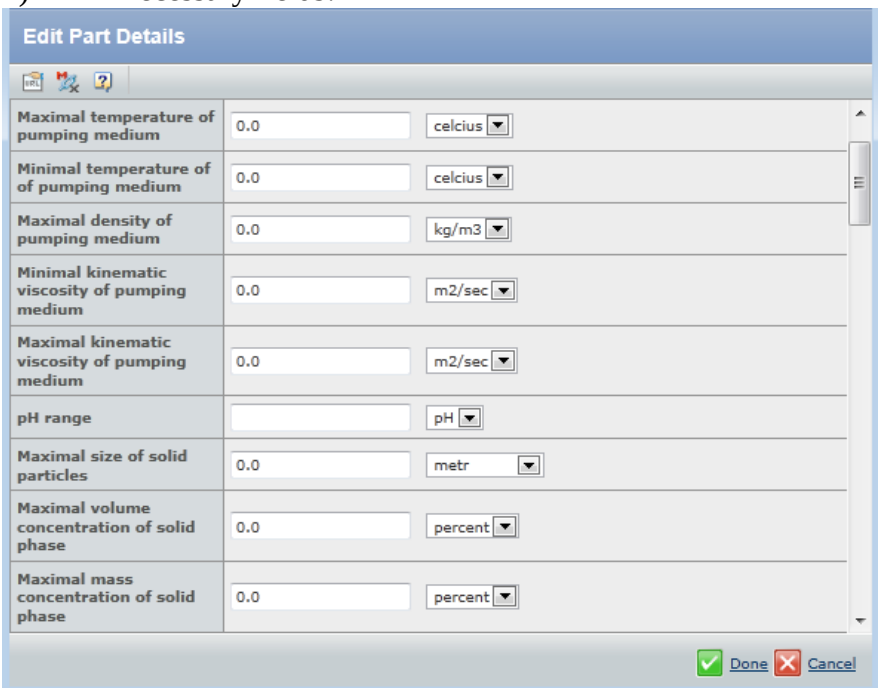


Figure 7.2.3.

a. Select reference attributes by using button;
b. In the reference data selection window select the necessary item and click the OK button;
3) Click OK.
So a new equipment card is created with Draft status.
The card has the following tabs with attributes:
- System;
- Documents;
- General product data;
- Financial attributes;
- Operation attributes;
- Type – a tab (a group of attributes) with a name for this template;
- General (all).

7.3. EDITING CARD

- Add reference attribute value
- Add attribute with a range of values

7.3.1. Adding Reference Attribute Value

1) Open a card.

2) Go to tab with attributes (tab name matches name of attribute group to which a new attribute has been added).

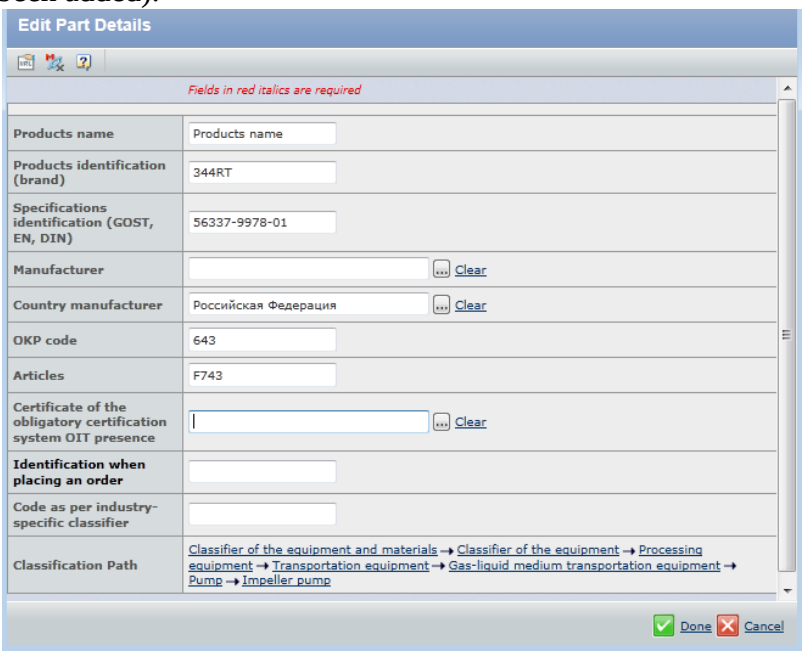


Figure 7.3.1.1.

3) On the toolbar click Modify.

4) Find the added attribute from the list and click .

5) Select needed item from the list (put a tick).

6) Click the Select button:

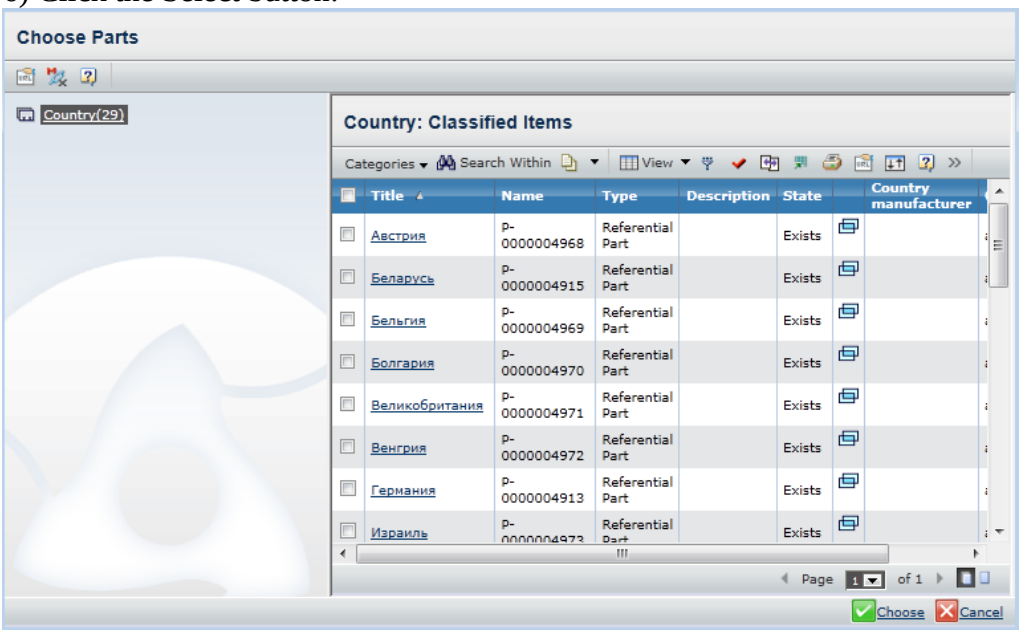


Figure 7.3.1.2.

7) Click Choose to save changes.

When clicking the link the referenced object will be displayed in a new window:

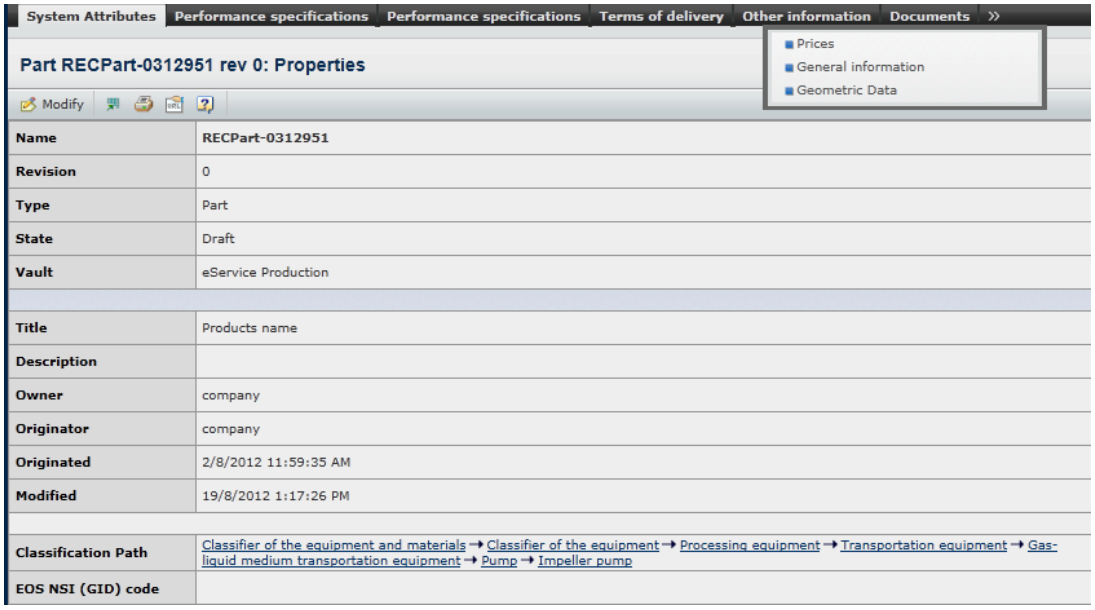


Figure 7.3.1.3.

7.3.2. Adding Attribute with a Range of Values

1) Open a card in the template where an attribute with a range of values has been added.

2) Go to tab with attributes (tab name matches name of attribute group where an attribute has been added).

3) On the toolbar click Modify.

4) Select the added attribute from the list and enter a value following these rules:

a. 3 dots … separate max and min attribute values.

b. Min attribute value shall be entered in the left while max value – in the right. If this rule is not met then the following message will be displayed: “Error in range”. Make sure that range is correctly entered. To save changes enter valid value of attribute.

c. Min and max value can be represented either by a number or by a formula. Value is calculated as per formula when the attribute is saved. In case of error the user receives an error message.

d. To enter attribute with a range of values the following math characters and functions are available:

Character	Description
+	Addition
-	Deduction
/	Division
*	Multiplication
()	Expression defining a calculation sequence
sqrt	Square root
^	Exponentiation (e.g. “10^7” raising 10 to the power of 7)
sin	Sine
cos	Cosine
tan	Tangent
atan	Hyberbolic tangent
asin	

acos	

Sample of attributes with a range of values:

Attribute name	Value to be entered	Value entry in ENOVIA
Bore diameter with tolerance	151^+0.4	151…151+0,4
Closing time	45 ± 5	45-5…45+5
Time setting control range (for time relay)	0.5…30	0,5…30
Fluid temperature range	-100…250	-100…250
Volumetric activity range	1.0*10^7...1.0*10^2	1*10^7…1*10^2
Voltage control range	±12	-12…+12

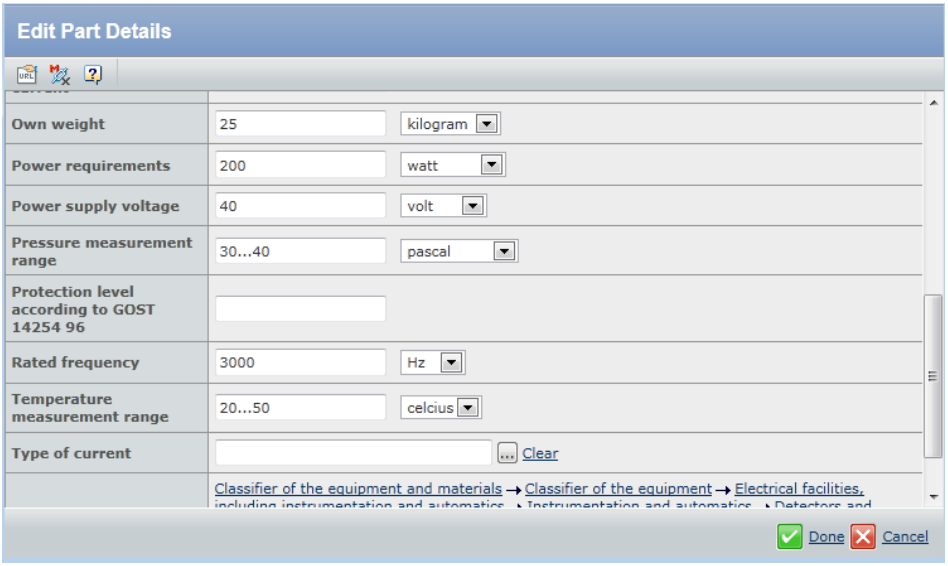


Figure 7.3.2.1.

5) Click OK to save changes.

7.4. Import Equipment Card from Excel

Excel tables is generated with card attributes, table sheets correspond to card attribute group tabs.

Data entry sequence using Excel tables:

- Create template
- Import from Excel

7.4.1. Creating a Template

1) Go to card template in the classifier.

2) On the toolbar select Import/Export →Export to Excel. Click Export to Excel (Admin) to create a template with administrator's rights and to import objects.

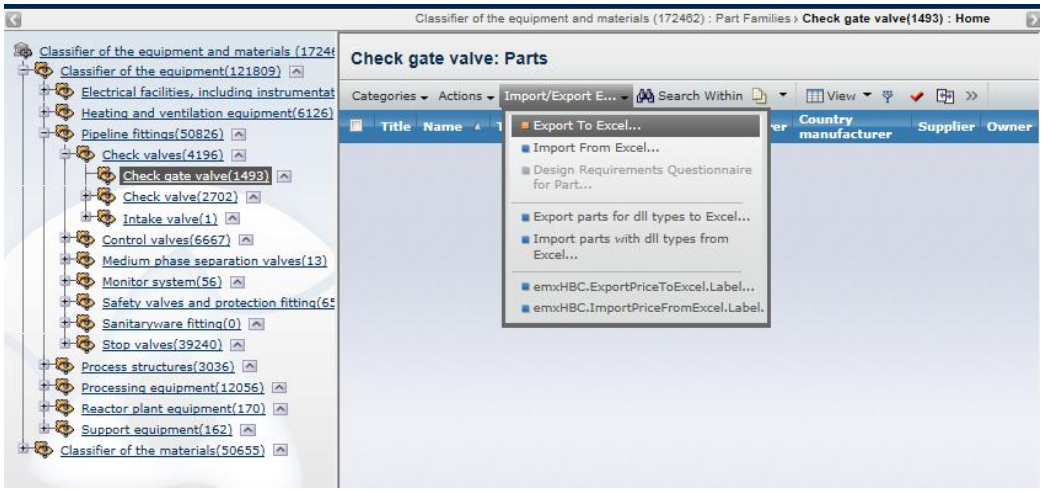


Figure 7.4.1.1.

3) Click Create Template.

4) Save template to your machine. Excel template will contain all attributes linked to this template in the classifier.

5) Fill in Excel template:

a. In order to define referenced attributes go to relevant field and click button and select attribute.

b. Use button in the measurement unit field to select measurement unit.

c. Select card user-owner in the column "Supplier Login" when creating a template with administrator rights, through Export to Excel (Admin).

7.4.2. Import from Excel

1) In card template from which Excel template has been generated, on the menu or toolbar, select Import/Excel → Import from Excel if you enter template with card owner selected.

2) Select file for import and click Upload.

3) Next→Start Import. Check "Edit Objects" if you modify any existing cards in the database, otherwise, the system will create new cards.

Information on how import is running will be displayed on this screen. Click More button, complete lists of processed cards will be displayed. Click Details button to hide the list.

Figure 7.4.2.1.

4) To generate import status report click Create Report on the bottom of the screen. A file will download to be opened in Excel.

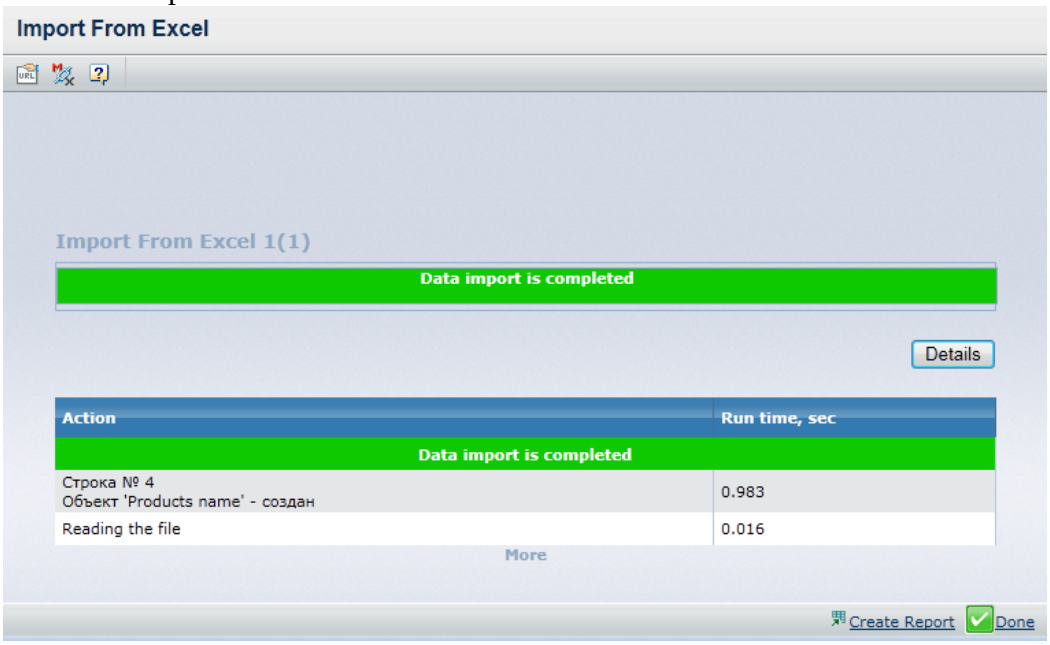


Figure 7.4.2.2.

7.5. EXPORT EQUIPMENT CARDS TO EXCEL

Steps to export equipment cards.

1) Go to card template in the classifier.

2) On the menu/toolbar select Import/Export →Export to Excel (or Export to Excel (Admin) to export cards with checked owner). If several cards need to be exported, check them before going to Import/Export →Export to Excel (Excel file will be created for checked cards).

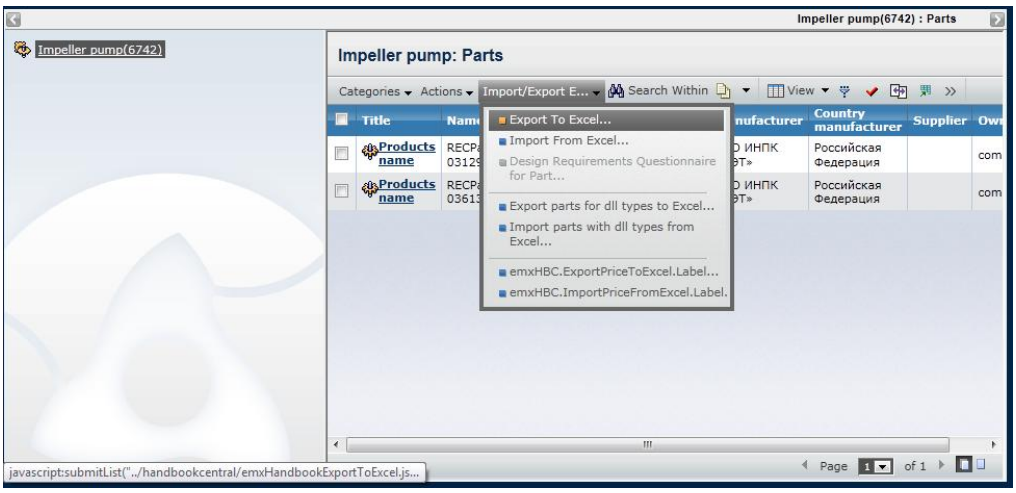


Figure 7.5.1.

3) Next→Start Export.

Information on how export is running will be displayed on this screen. Click More button, a complete list of processed cards will be displayed. Click Details button to hide the list.

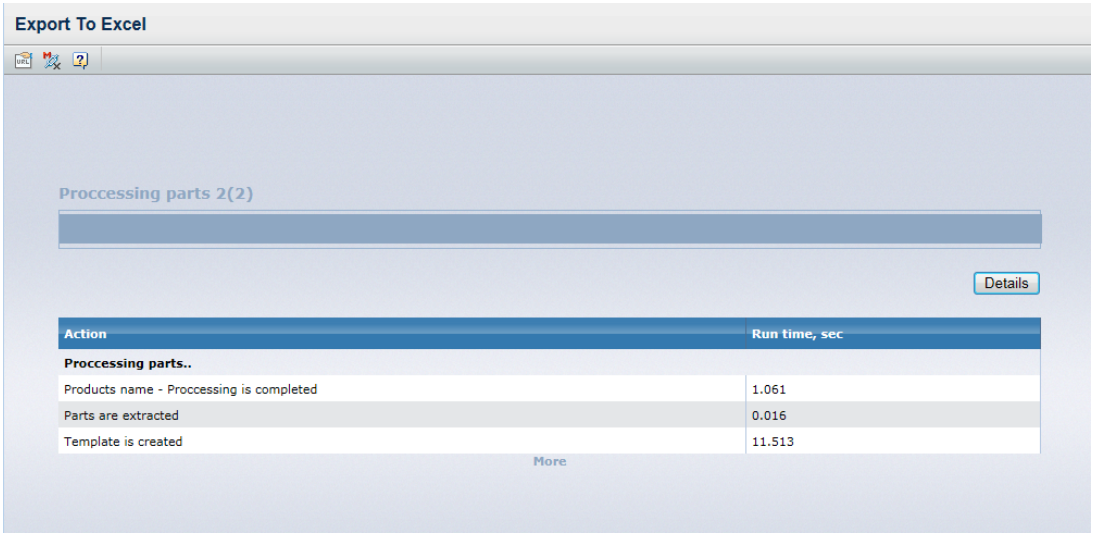


Figure 7.5.2.

During export a file will be generated to be opened in Excel after every 300 processed cards. Thus, one can go through information on the cards that have already been processed without waiting for completion of export.

4) After export is completed you can edit the file to continue with import (see Import from Excel) after saving the file to your machine.

7.6. ATTACHING DOCUMENTS

Request to add an equipment card into the catalogue shall have reference to Specifications, GOST standards, OST standards or other normative document that contain description (list of characteristics) of this equipment. Documents that have been entered into the Catalogue earlier are attached in “Documentation” tab.

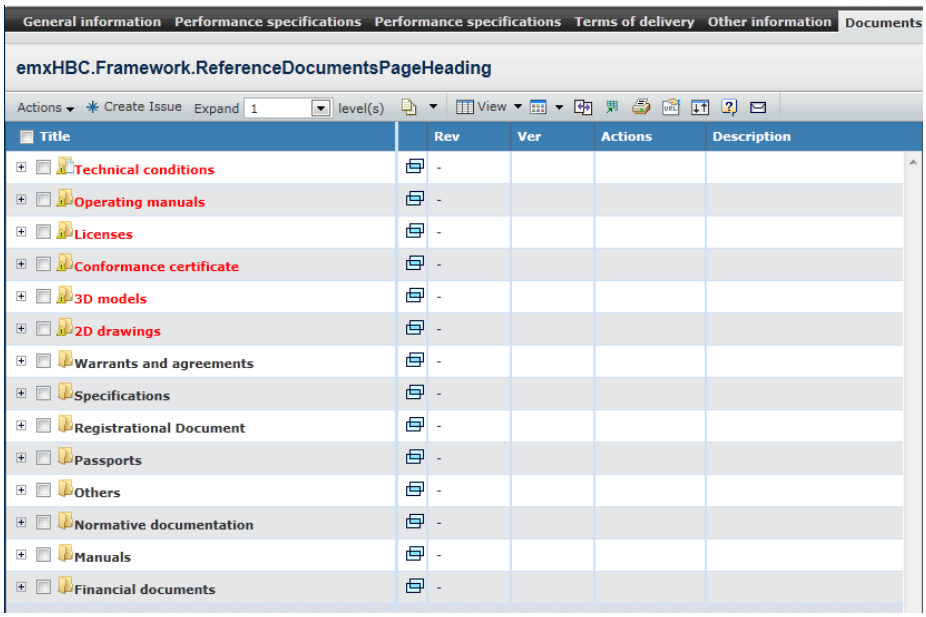


Figure 7.6.1.

All possible sections from the document library are shown in the Documentation tab.

The following icons may be shown depending on whether a section is obligatory or optional for cards and documents are attached or not:

The section is obligatory. The card has document attached

The section is obligatory. The card has no document attached

The section is optional. The card has document attached

The section is optional. The card has no document attached

Sections “Obligatory for cards” are highlighted with red color (see the above figure).

Attention! For approval of an equipment card it is necessary to enter documents into all the obligatory sections prior to sending the card to the verification center for checking.

To see list of documents attached to a card expand relevant sections in the list (with or icons).

Use button to open a document in a new window.

When opening sections of documents the button will open a section of documents from Documentation library in a new window. This new window will contain all the documents included in this section of the library, without filtering by card.

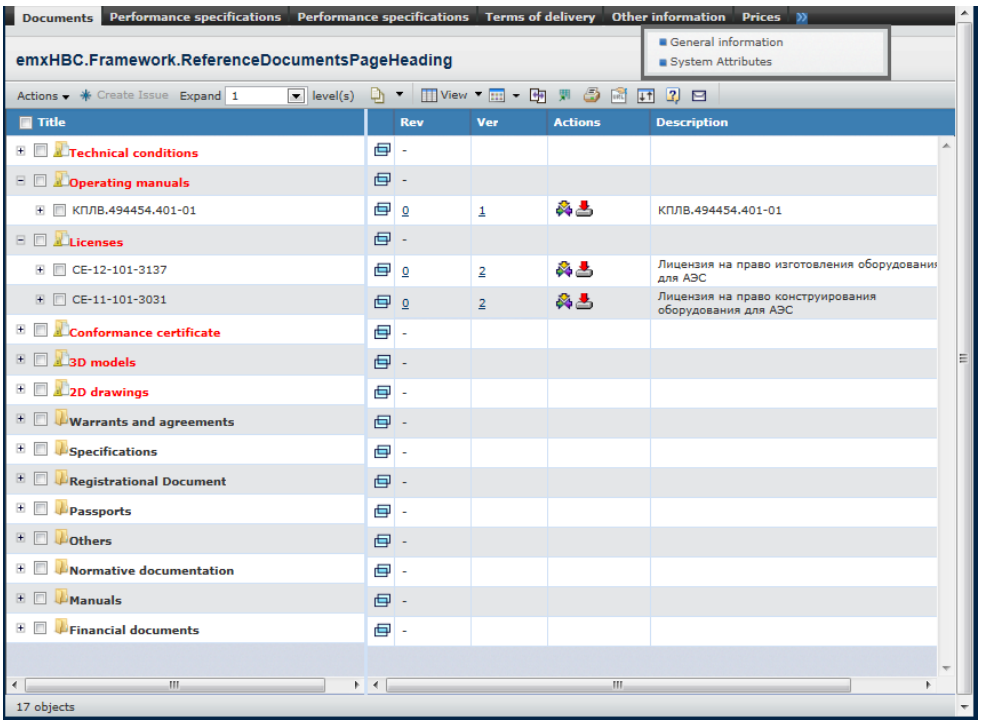


Figure 7.6.2.

There are several ways to attach documents to a card:

- Create document in a card
- Attach document to card (in a card)
- Attach document to cards (in document)

7.7. DUPLICATION OF EQUIPMENT CARD

If there are equipment items with many similar characteristics one can save time when entering information on equipment by copying an equipment card. The card duplicate will have identical attributes but will automatically acquire a new system name.

1) Open a template and mark the card to create a duplicate.
2) Follow the branch Actions →Duplicate the marked card.
3) Information on the item to be duplicated will be displayed in a new window.
4) Click Create.

5) Open created card and edit necessary attributes using the Modify command.

7.8. Status of Equipment Cards

Four statuses are available to manage life cycle of equipment card, each with different access levels. To manage status it is necessary to open an equipment card and go to the life cycle category: select Categories →Life Cycle on the object properties panel.

- - Draft Status

The Draft status is automatically assigned to an equipment card after its creation. Changes can be entered only into the card with draft status.

To have a filled card for review the draft status should be changed into Under Check status (click the Upgrade button in the Life Cycle card category).

- Under Check Status

For the Verification Center to review a card Supplier shall assign “Under Check” status to the card. An equipment card with the Under Check status is locked against changes. To make changes the user can switch Under Check status with Draft status.

- Approved Status

Now the Verification center checks data in a card. In case of no comments on the card, the Verification center assigns the Approved status. From the moment the Approved status is assigned the user cannot enter changes into the card and change the status.

If an equipment card does not meet the verification criteria then the verifier gives back the Draft status to the card, and after revision the Under Check status needs to be set again.

If it is necessary to make changes then a request should be made to the Verification center asking for change in the status from Approved into Draft.

- Archive Status

Equipment cards which have not been worked with for over a year get the Archive status.

To view results of the check and comments one should go to the Approval tab in the Life Cycle window.

7.9. VIEWING CREATED CARDS

To view all the created cards the following can be used:

- Quick search by using My cards filter;
- Quick search for a card by keyword;
- Quick search in a template;
- Selecting a terminal element in the classifier.

8 DLL- SYMBOLS

8.1. WORKING WITH DLL SYMBOLS

8.1.1. Creating a dll Symbol

1) Open the necessary equipment card.
2) Open the Geometry tab (or menu Categories →Geometric date).
3) On the toolbar click Create dll symbol.
4) Using the button in the opened window in the DLL Type line select dll type and click OK.

Note: once created the type of dll symbol cannot be changed.

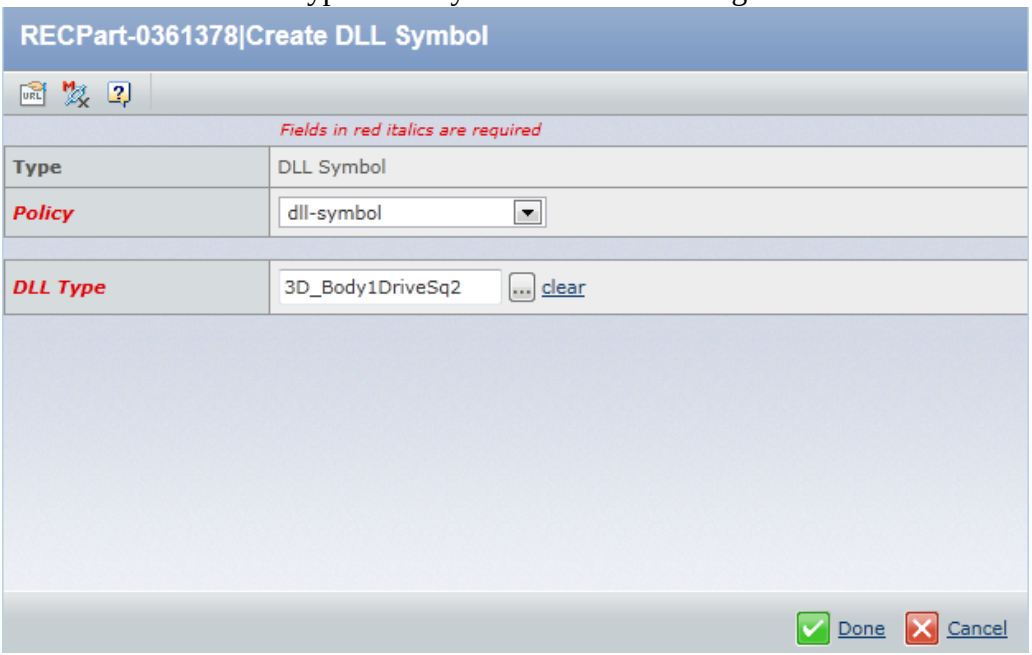


Figure 8.1.1.1.

5) The value “HBC_Dll_Symbol” (dll symbol) shall be selected in the Life Cycle line.
6) Click OK.
7) In the new window of a created dll symbol click Modify and edit attribute values (see section Edit Card).
8) Click OK.

Note: Each card shall have only one dll symbol.

8.1.2. Editing DLL Symbol in a Card

1) Go to dll type.
2) Categories Cards open dll symbol.
3) On the toolbar click Modify.
4) Edit attribute values and click OK.

8.1.3. Editing DLL Symbol through DLL Library

1) Go to dll type.
2) Categories Cards open dll symbol.

3) On the toolbar click Modify.
4) Edit attribute values and click OK.

8.1.4. Delete DLL Symbol in a Card

Open the necessary card.
2) Open the Geometry tab (or menu Categories → Geometry).
3) Select dll symbol.
4) On the toolbar select Delete.

8.1.5. Delete DLL Symbol through DLL Library

1) Open a dll type in the library of unified 3D models.
2) Select a dll symbol.
3) On the toolbar select Delete.

8.2. WORKING WITH EXCEL

- Download cards for dll types to Excel
- Upload cards with dll types from Excel
- Download dll symbol attributes to Excel
- Upload dll symbol from Excel

8.2.1. Downloading Cards for dll Types to Excel

Create dll symbols for cards in Excel.
1) Go to a terminal template in the classifier.
2) On the toolbar select Import/Export Excel →Download Cards for dll Types to Excel.
Note: the file will contain cards of this template with no dll symbol assigned.
If cards are checked in the box then an Excel file will be created only for the cards selected.

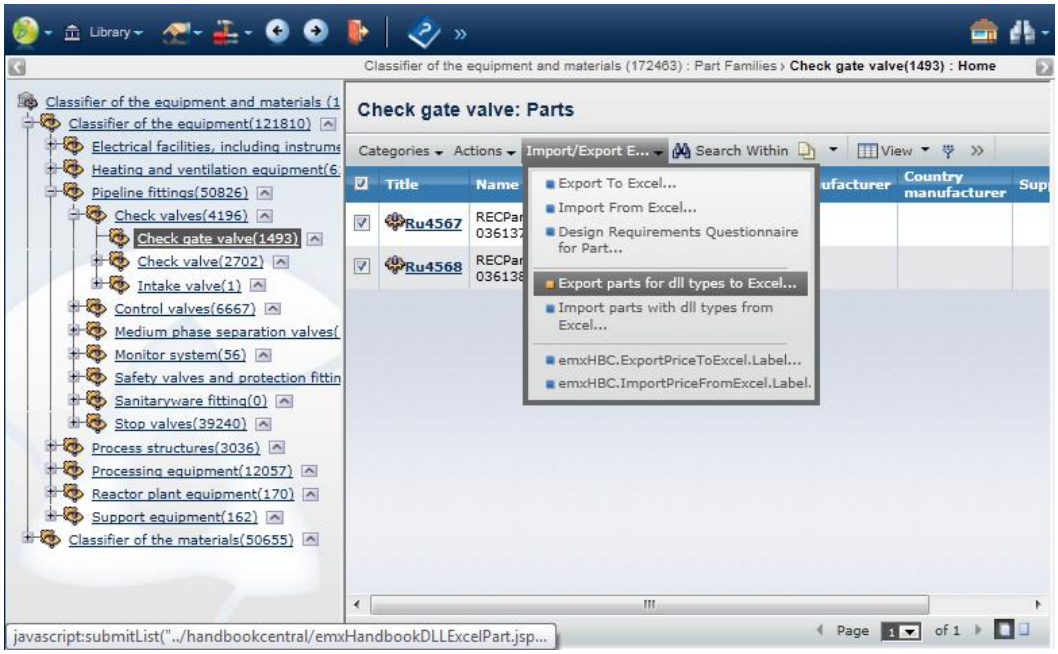


Figure 8.2.1.1.

This window will show how download is running. Click More button to open a full list of processed cards. Click Details to hide the list.

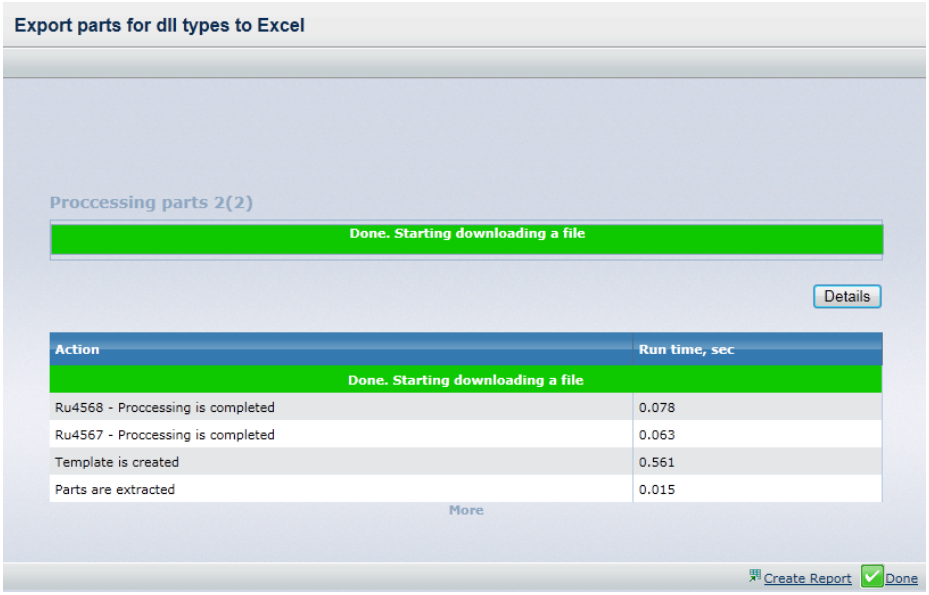


Figure 8.2.1.2.

During download, after every 300 cards are processed, a file will be created to be opened in Excel. Thus, information of the cards which have been already processed can be viewed and edited without waiting for completion of export.

3) At the bottom of the window click Create Report to generate a download report. A file will download to be opened in Excel.

4) Edit the file in Excel:

In the column DLL Type click button and select available dll type.

Note: once created dll symbol cannot be changed.

System name of dll symbols is automatically generated.

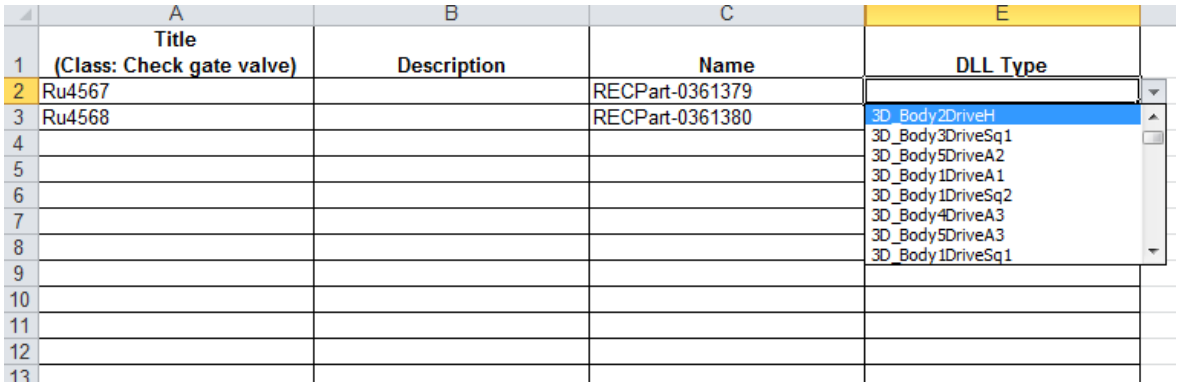


Figure 8.2.1.3.

5) Save the file to your machine.

8.2.2. Uploading Cards with dll Types from Excel

Upload cards from Excel with automatic creation of dll symbols.

1) Go to a necessary template in the classifier.

2) On the toolbar select Import/Export Excel →Upload card with dll type from Excel.

3) Select a file and click Upload.

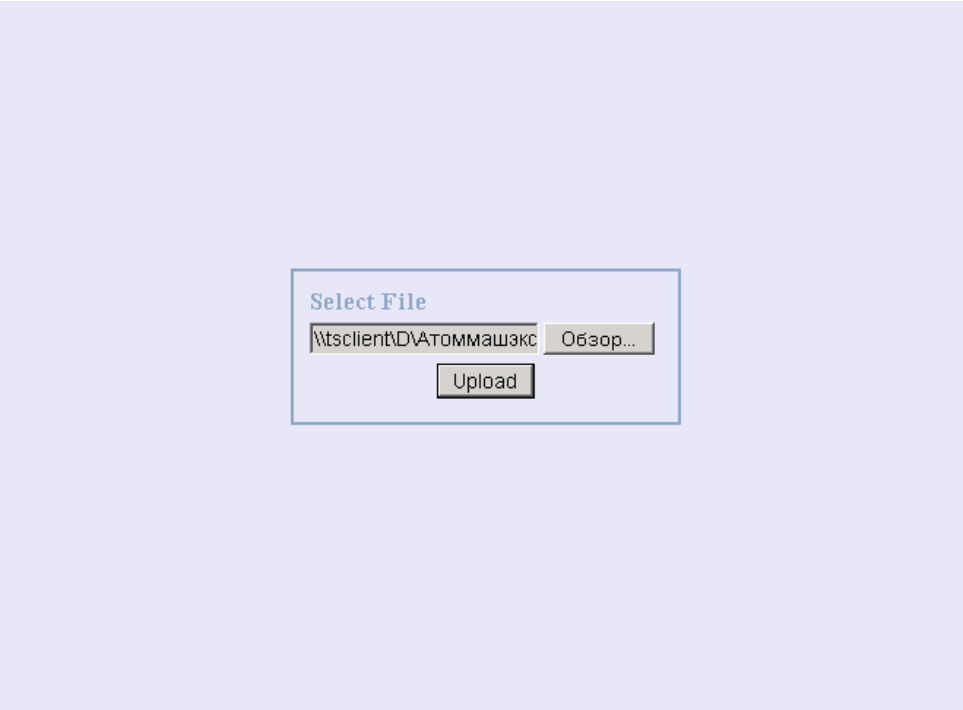


Figure 8.2.2.1.

This window will show how upload is running. Click More button to open a full list of processed cards. Click Details to hide the list.

4) At the bottom of the window click Create Report to generate an upload report. A file will download to be opened in Excel.

5) Click OK.

Note: Every card shall have only one dll symbol. If a file with dll types for cards that already have a dll symbol assigned is uploaded a warning will be displayed in the upload report.

8.2.3. Downloading dll Symbol Attributes to Excel

View and edit dll symbol attributes in Excel.

1) Go to dll type.

2) On the toolbar click Download dll symbol attributes to Excel. If cards are checked in the box then an Excel file will be created only for the cards selected.

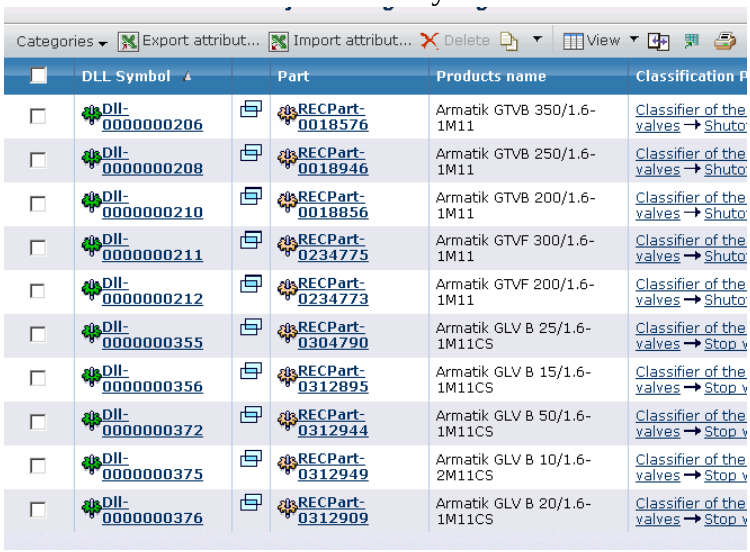


Figure 8.2.3.1.

This window will show how download is running. Click More button to open a full list of processed cards. Click Details to hide the list.

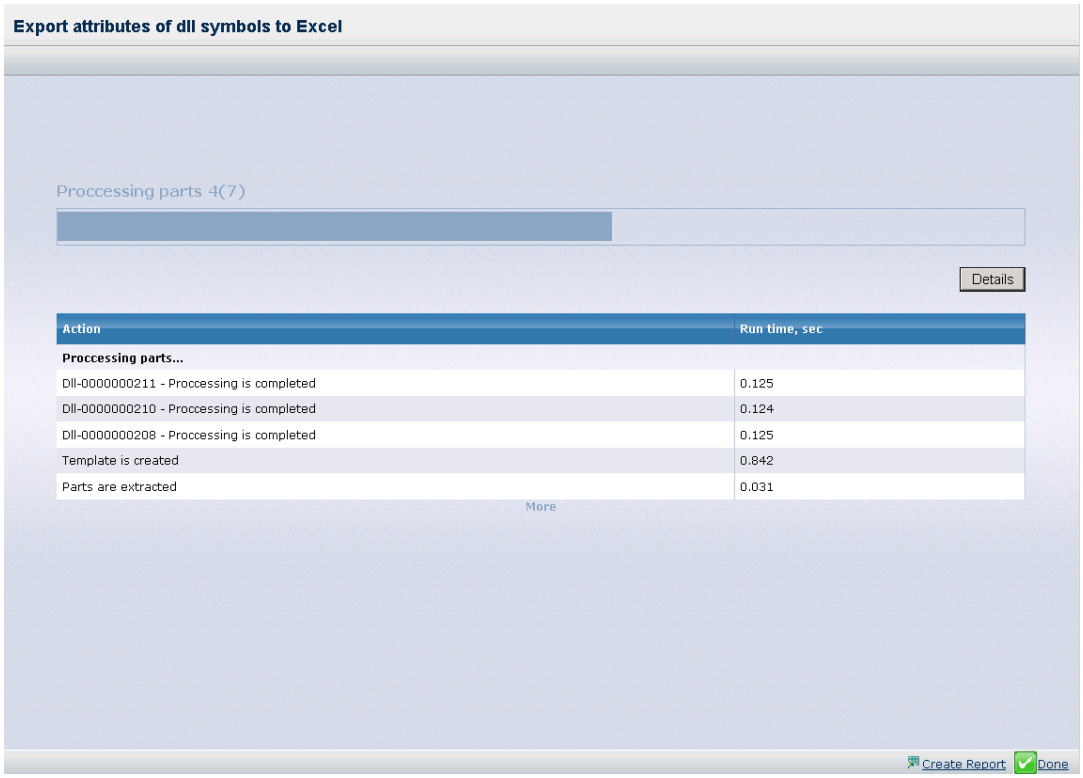


Figure 8.2.3.2.

During download, after every 300 dll symbols are processed, a file will be created to be opened in Excel. Thus, information of the symbols which have been already processed can be viewed and edited without waiting for completion of export.

3) At the bottom of the window click Create Report to generate a download report. A file will download to be opened in Excel.

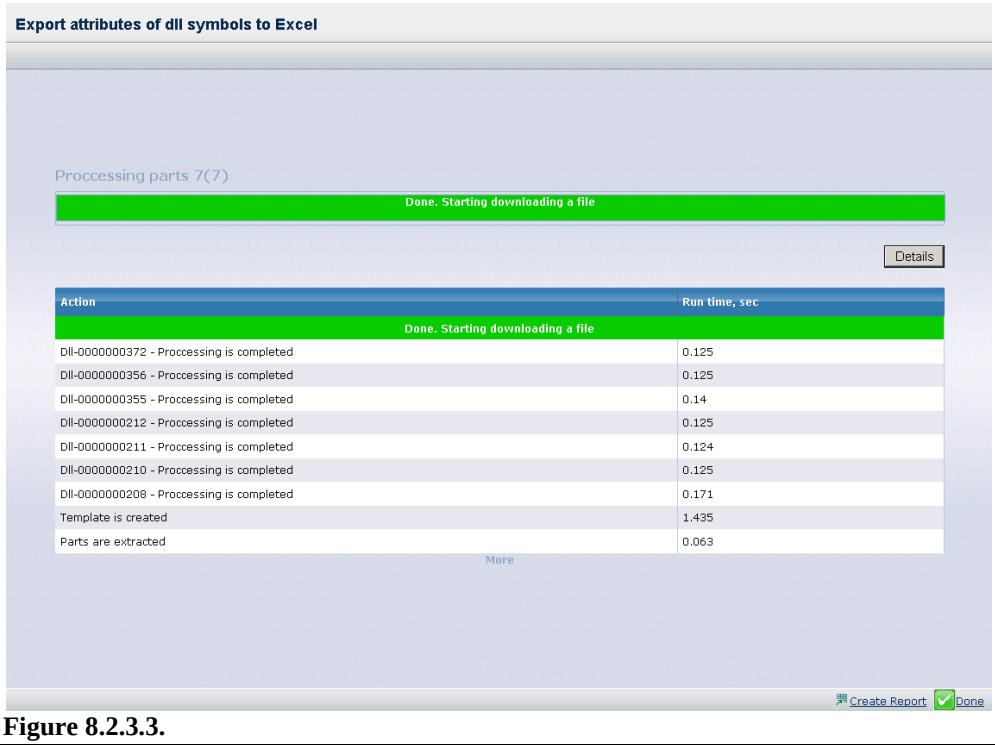


Figure 8.2.3.3.

4) If necessary, edit the file in Excel:

Each equipment card corresponds to one line in the table. In every line there is a field with dll type name, next there are fields in the line for entry of attribute values.

a. To enter reference attributes go to the necessary field and click the button to select an attribute.

b. Use the button at the measurement unit field to select a measurement unit.

	A	B	C	E	F
1	Parts		DLL Symbol (Class: 3D_Body1DriveH)		
2	Title	Name	Name	IJUA_UDLL_FaceToFace	IJUA_UDLL_DN1
4	Units of measure				
5	Armatik GTVB 250/1.6-1M11	RECPart-0018946	Dll-0000000208	450.000	273.000
6	Armatik GTVB 200/1.6-1M11	RECPart-0018856	Dll-0000000210	400.000	219.000
7	Armatik GTVF 300/1.6-1M11	RECPart-0234775	Dll-0000000211	438.000	300.000
8	Armatik GTVF 200/1.6-1M11	RECPart-0234773	Dll-0000000212	348.000	200.000
9	Armatik GLV B 25/1.6-1M11CS	RECPart-0304790	Dll-0000000355	160.000	32.000
10	Armatik GLV B 15/1.6-1M11CS	RECPart-0312895	Dll-0000000356	130.000	18.000
11	Armatik GLV B 50/1.6-1M11CS	RECPart-0312944	Dll-0000000372	230.000	57.000
12					
13					
14					
15					
16					
17					

Figure 8.2.3.4.

5) Save the file to your machine.

8.2.4. Uploading dll Symbol Attributes from Excel

Upload edited dll symbol attributes from Excel.

1) Go to a dll type in the dll library.

2) On the toolbar click Upload dll symbol attributes from Excel.

If attribute values do not match attribute data type format in the ENOVIA, a warning will be displayed in the upload report.

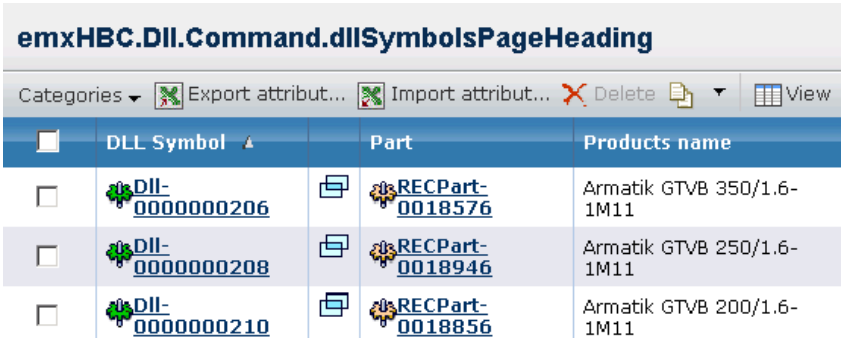


Figure 8.2.4.1.

This window will show how upload is running. Click More button to open a full list of processed dll symbols. Click Details to hide the list.

3) At the bottom of the window click Create Report to generate an upload report. A file will download to be opened in Excel.

4) Click Done.

9 SEARCHING

This section contains:

- General search
- Quick keyword-based searching for a template
- Quick keyword-based searching for a card
- Quick search in a template
- Quick search by “My cards” filter

9.1. GENERAL SEARCHING

Enovia V6 provides “General search menu” for quick search of available equipment cards, Catalogue documents and other needed data.

For global search throughout the entire Catalogue open search window using the button on the main toolbar or the button to the right and select Search from the drop-down list.

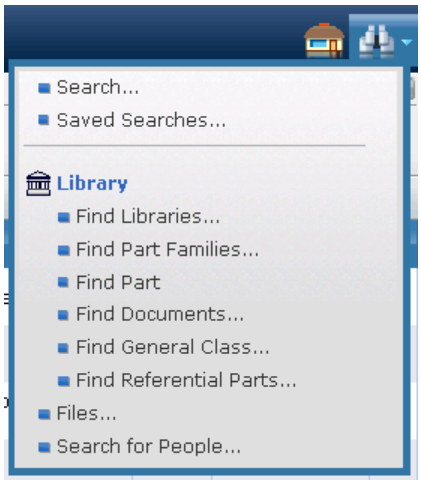


Figure 9.1.1.

The following figure shows a search window:

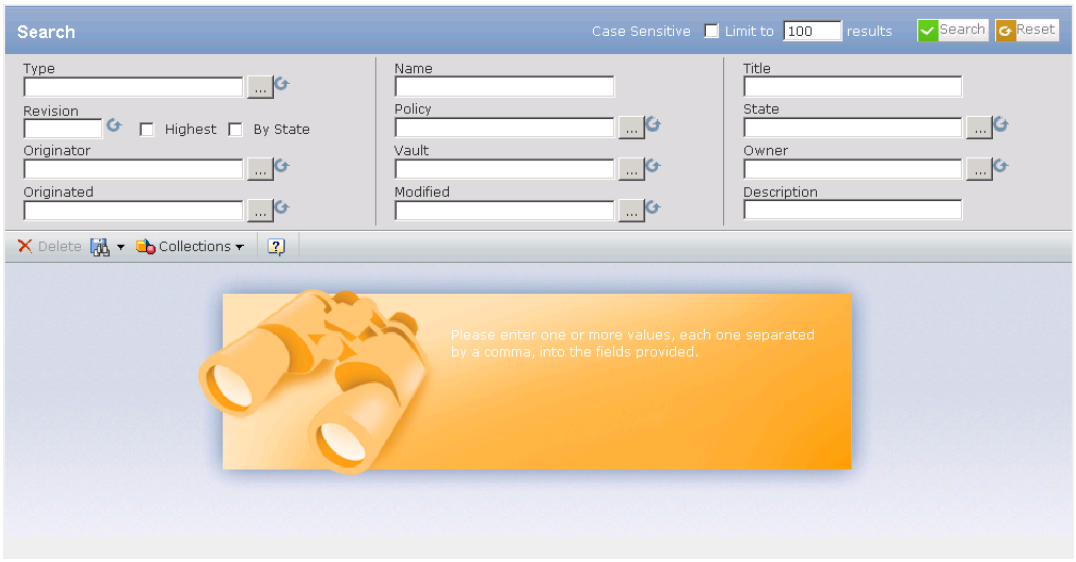


Figure 9.1.2.

The main search parameters are:
- Type – object type;
- Owner – object owner;
- Unique name – object name;
- Description – object description;
- Status – object status.

Let’s take an example of search for an equipment card which has been entered into the Catalogue. To search for an equipment card the “Equipment Card type should be checked in the dropdown window as shown in the figure (to activate the drop down menu left click the entry field or click the button with three dots to the right of the entry field):

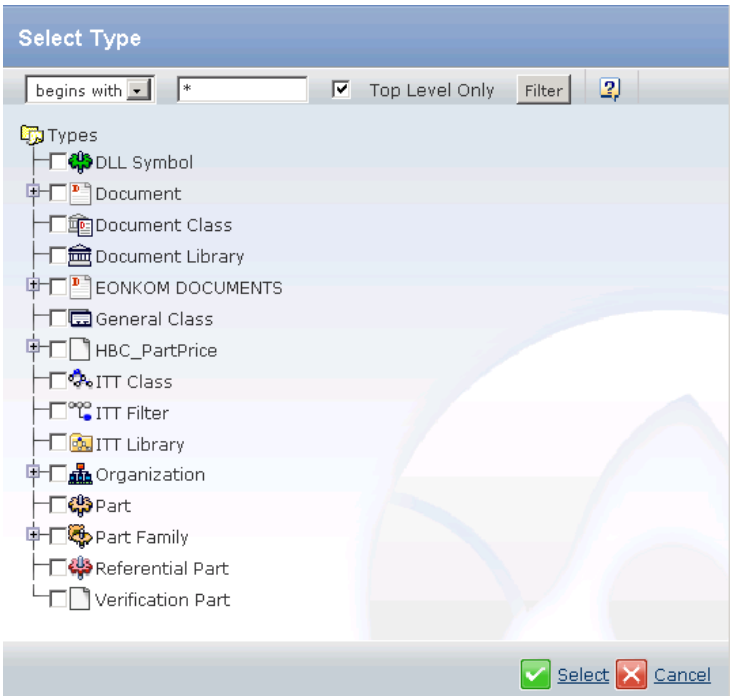


Figure 9.1.3.

Next name of the owner of the equipment card should be specified. In the dropdown window of the Owner field a login is entered in the User name line, under which the personal account can be accessed (in test case it is Everything). The * symbol is entered before and after the user’s name. In this case search will offer variants containing the search word. If the * symbol is not used then complete match will be looked for. It works for any type of information. It is also necessary to observe the case.

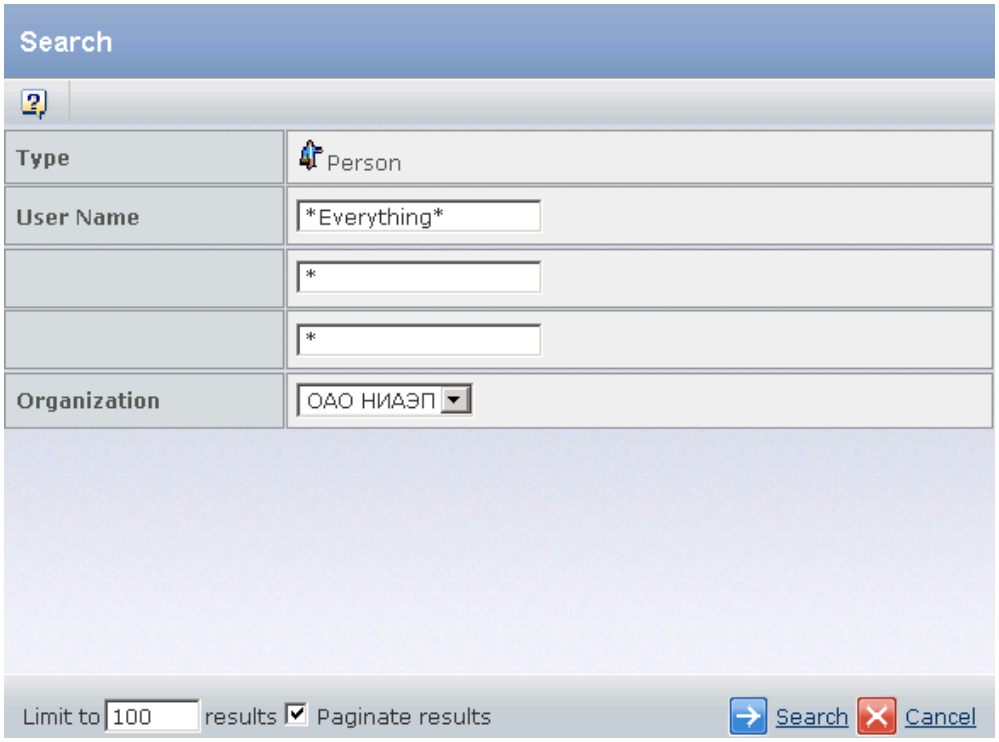


Figure 9.1.4.

After the user's name is entered click the Search button. Select the necessary variant offered by search and click Select.

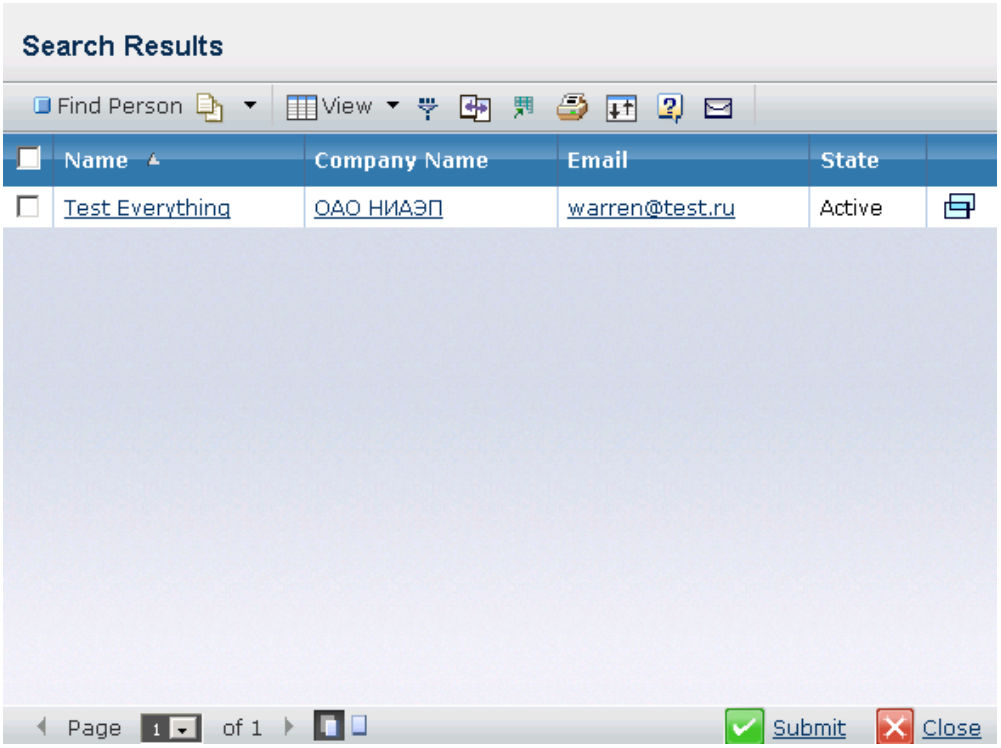


Figure 9.1.5

The name of the needed card should be entered into the System name field. As mentioned above, if the exact card name is known then it should be entered without using the * symbol, if only a part of the card name is known, then it should be entered with the * symbol at the beginning and

the end of the search word. Description of equipment in the card or a phrase or a word from it can be entered in the Description field.

The card status shall be entered into the Status field. An equipment card has only four statuses:

Draft;
Under Check;
Approved o;
Archive.

After the mentioned fields are filled in click the Search button in the upper right corner of the search window. After search is completed the bottom of the page displays the results. Below there is a figure showing an example of a window with filled in fields and search results:

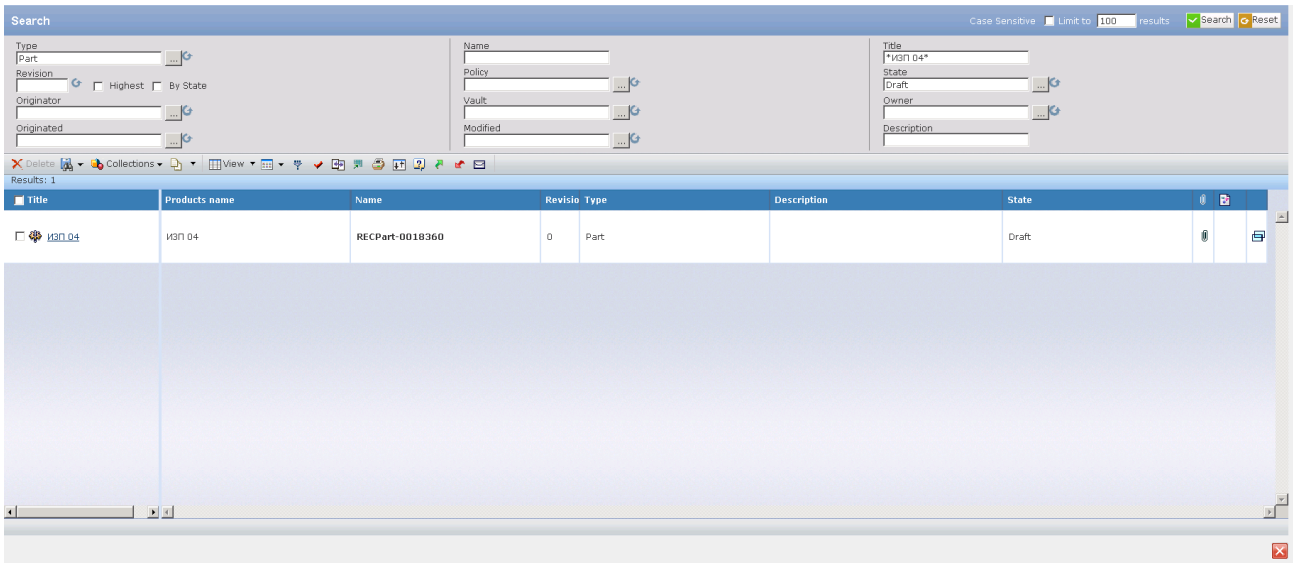


Figure 9.1.6.

If the System name, Description and Status fields are not filled in, then after clicking the Search button all the equipment cards created by the user will be found.

In a similar way documents added to the Catalogue can be searched for. For this select the check box of the Document type in the dropdown window of the Type field:

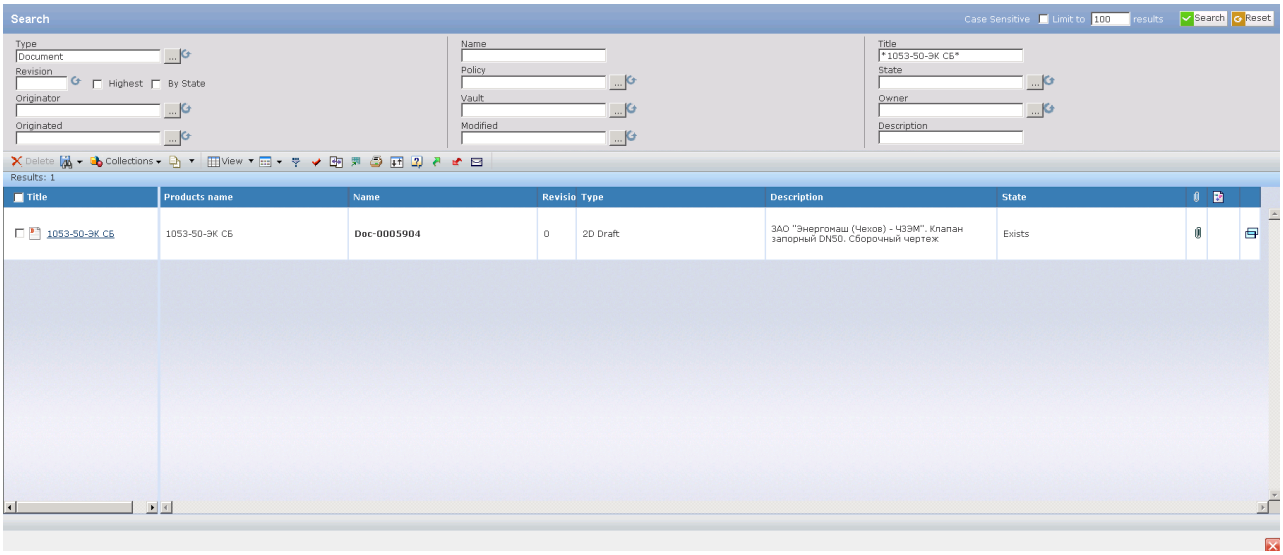


Figure 9.1.7.

9.2. QUICK KEYWORD-BASED SEARCHING FOR A TEMPLATE

1) On the main toolbar in the Search menu select Find Templates.
2) Fill in search criteria.

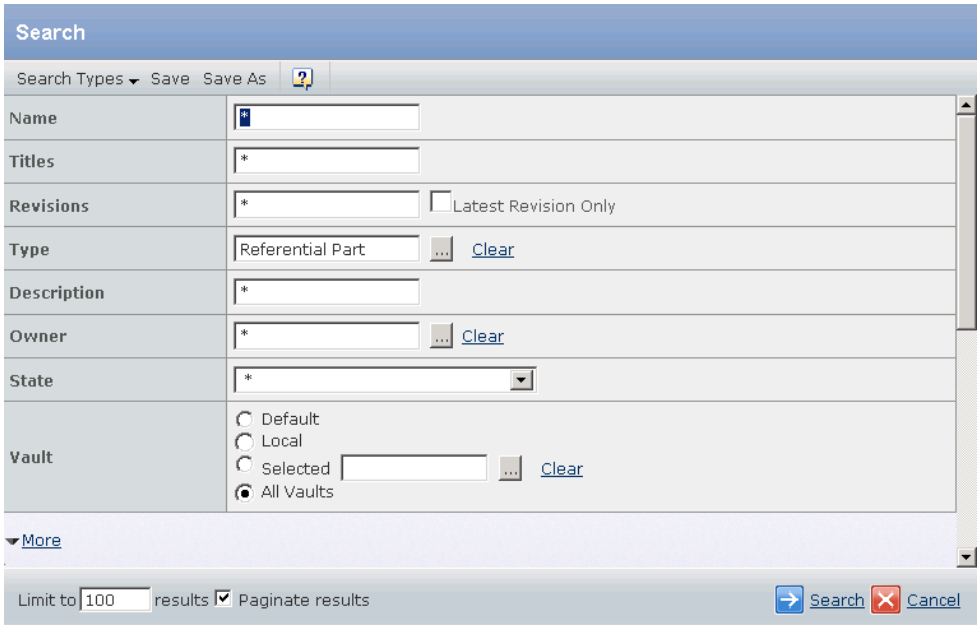


Figure 9.2.1.

3) To search by supplementary attributes click Advanced Search at the bottom of the page.
4) Click Search.

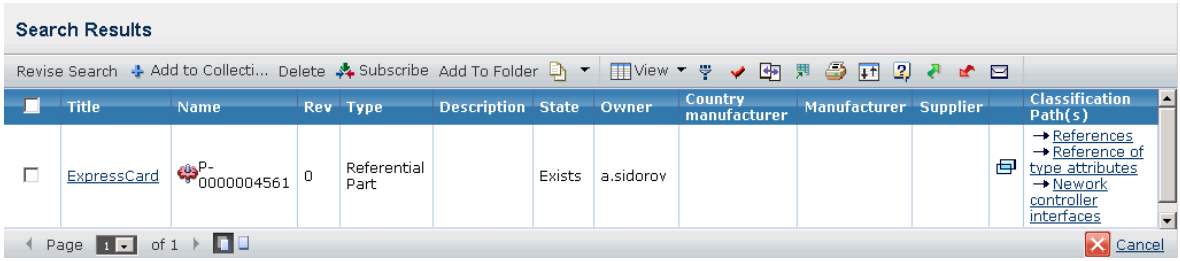


Figure 9.2.2.

5) Use the link to open and view the template.
6) Also use links to the libraries and templates in the Classification column.

9.3. QUICK KEYWORD-BASED SEARCHING FOR A CARD

1) On the main toolbar in the Search menu Search → Find cards.
2) Enter search criteria:

First, select a search template in the Search Within field, then fill in the rest of the fields.

Note: it is not recommended to select the root template of the Catalogue Basic Structure catalogue.

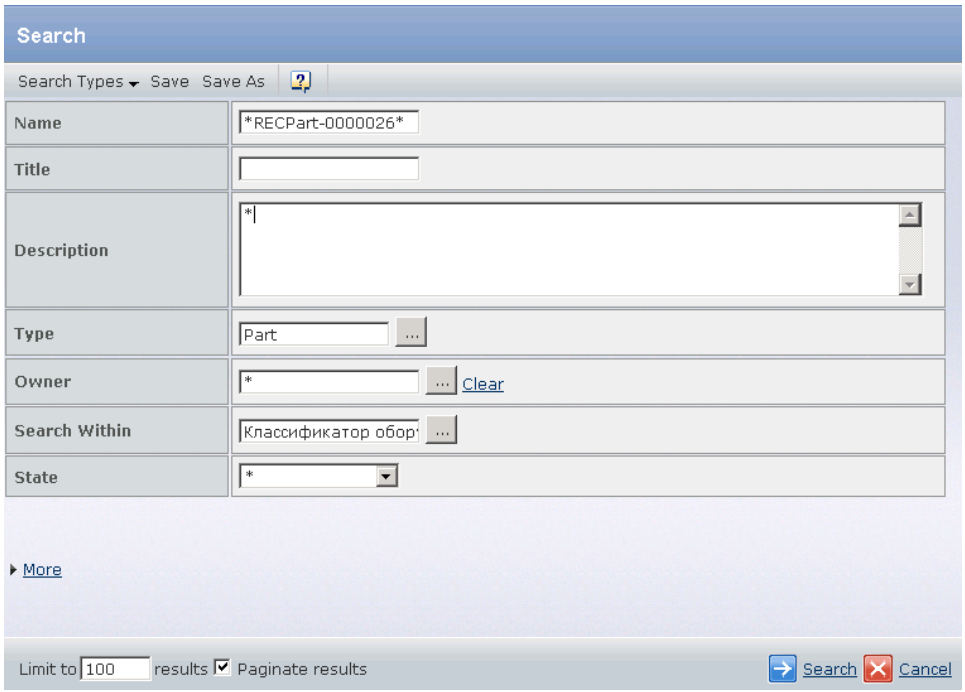


Figure 9.3.1.

a. If necessary, fill in search criteria for supplementary attributes.

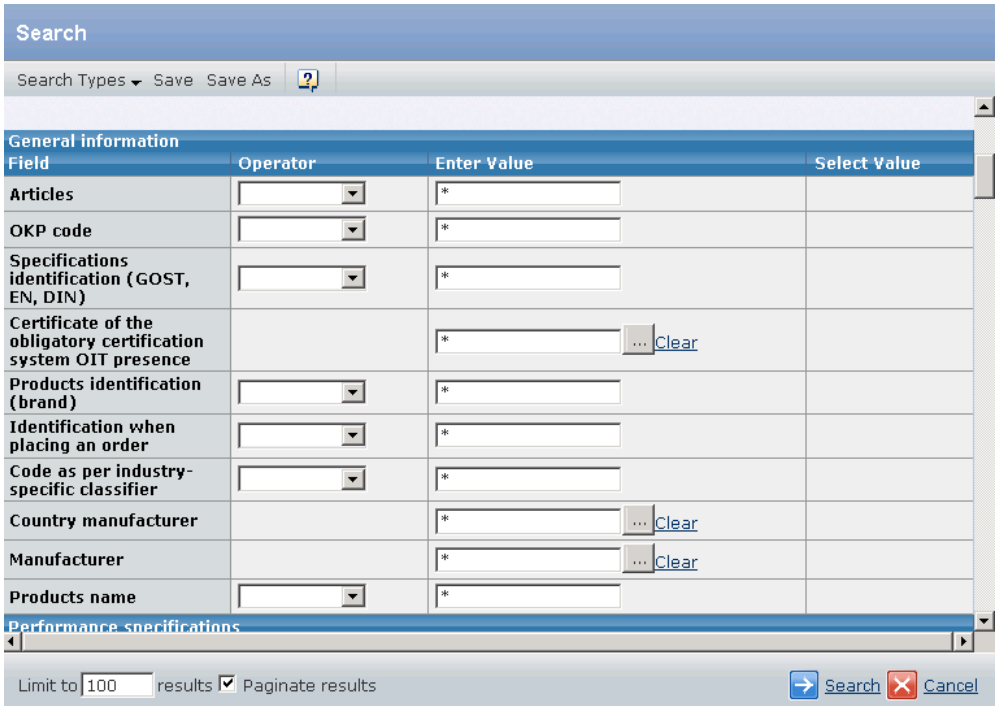


Figure 9.3.2.

3) Click Search.

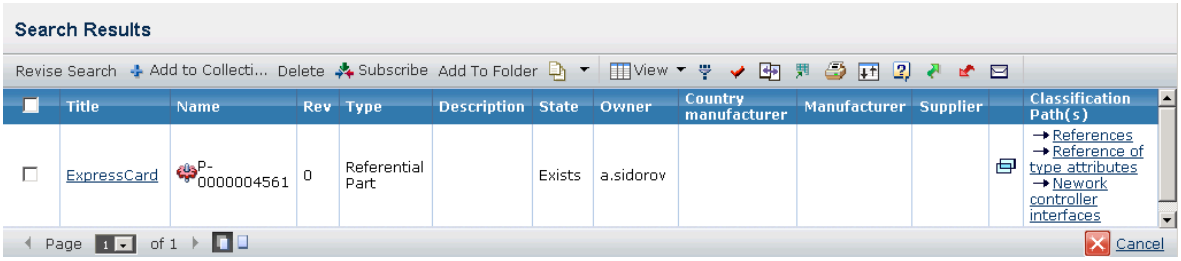


Figure 9.3.3.

4) Use the link to the card to open and view it.
5) Also use links to the libraries and templates in the Classification column.

9.4. QUICK SEARCH WITHIN A TEMPLATE

In this type of search you can search for an equipment card by attributes assigned to a specific template in which you do the search.

If search is done not in a terminal template of the catalogue then to search by attributes assigned to child templates, click Advanced Search at the bottom of the Search page.

Note: Within Search should be run in the root template of the catalogue.

1) Open a template to search for a card.
2) On the toolbar of the template click “Search within”.
3) Enter search criteria:

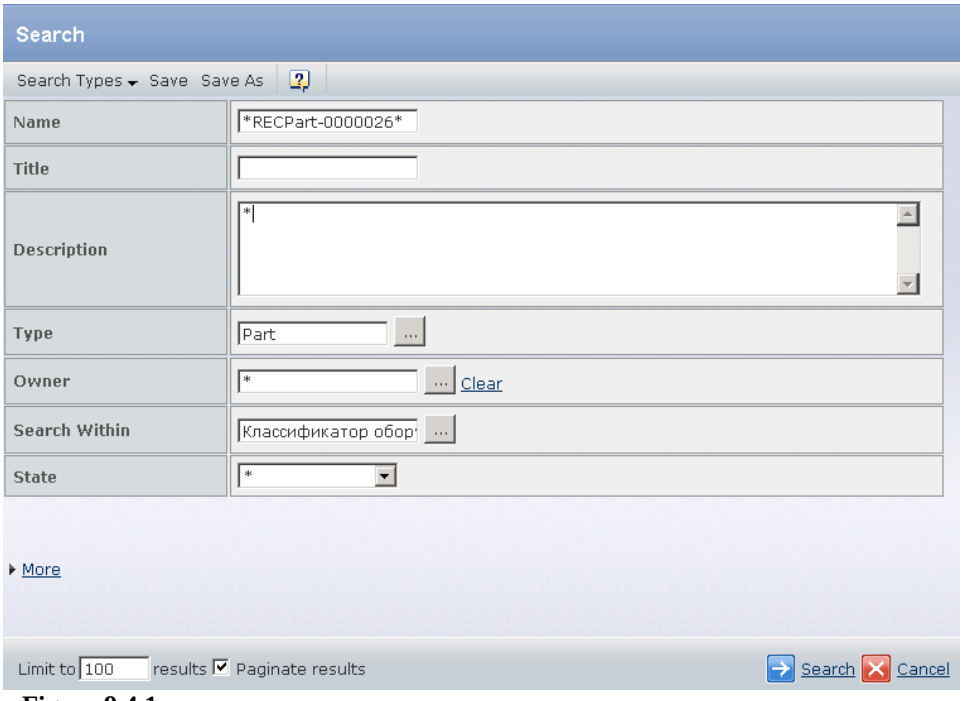


Figure 9.4.1.

a. If necessary, fill in search criteria for supplementary attributes:

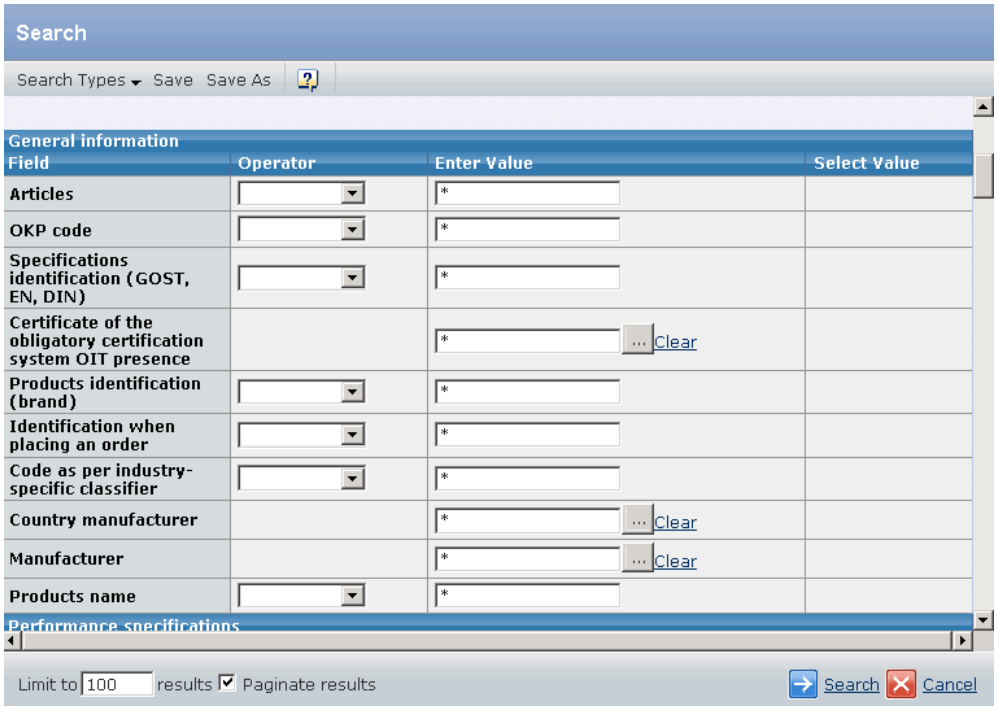


Figure 9.4.2.

b. For each attribute that you want to include in search criteria, select an operator and enter values to run search.

i. Select operator.

For text attributes:

Begin with. The system will look for attributes in which information begins with the text you specified.

End with. The system will look for attributes in which information ends with the text you specified.

With. The system will look for attributes containing the text you specified.

Exact match. The system will look for attributes in which information exactly matches the text you specified.

Without. The system will look for attributes without the text you specified.

Match. The system will look for attributes in which information matches with the text you specified.

For numeric attributes: not less, not more, not equal, equal, less than, more than, within (two numbers separated with a space).

For date/time attributes: date, earlier, later.

ii Enter search conditions in the Enter Value field or in the Select Value field:

- If a search range has been defined for the attribute, the Enter Value field will show a dropdown list.

- If measurement units have been defined for the attribute, a dropdown list will be shown next to the text field. You can search for any value/unit regardless of the actually used units.

- Click the calendar symbol to select a date.

- If the “within” operator is selected for numeric attributes, search will be done within the range specified in the Enter Value field (for example, if within 130 1400 is set then the search results will show values from 130 to 1400 included).

4) Click Search.

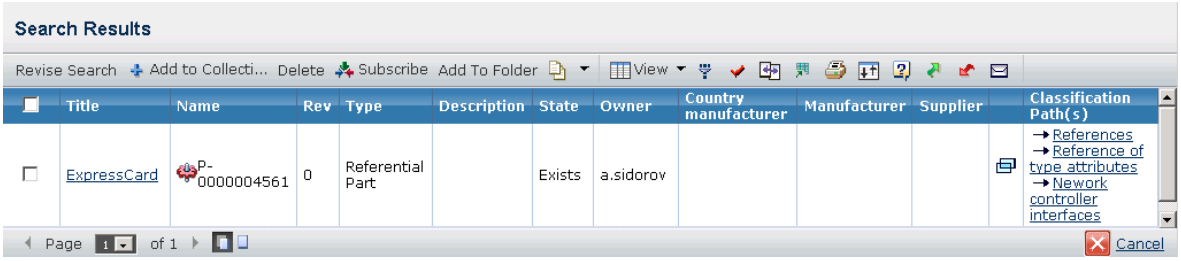


Figure 9.4.3.

5) Use the card link to open and view it.
6) Also use links to the libraries and templates in the Classification column.

9.5. QUICK SEARCH BY “MY CARDS” FILTER

The My Cards window displays all equipment cards created under this account. Follow the branch Libraries menu →My Cards.

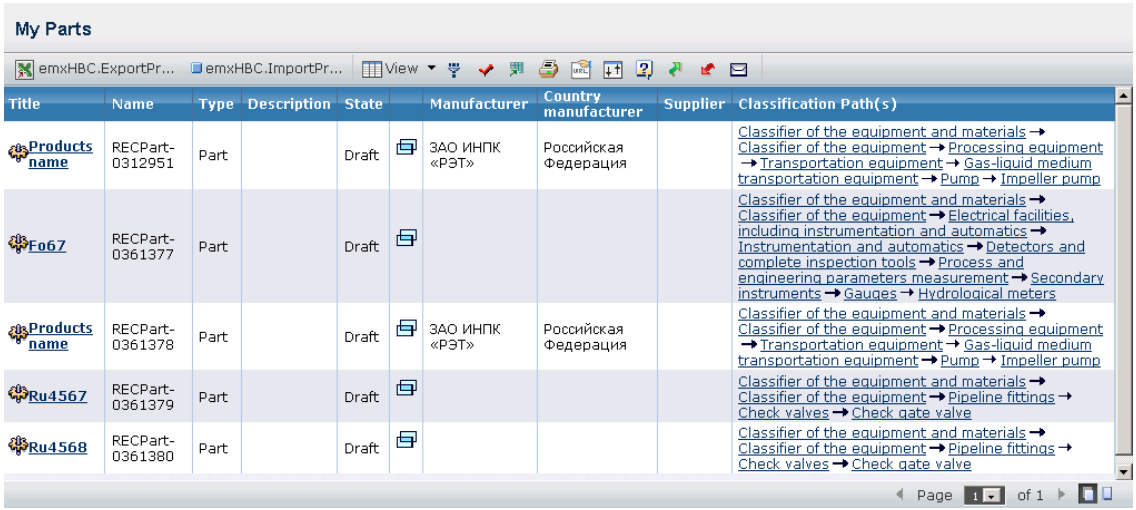

My Parts
emxHBC.ExportPr...
emxHBC.ImportPr...
View
Title
Name
Type
Description
State
Manufacturer
Country manufacturer
Supplier
Classification Path(s)
Products name
RECPart-0312951
Part
Draft
ЗАО ИНПК «РЭТ»
Российская Федерация
Classifier of the equipment and materials → Classifier of the equipment → Processing equipment → Transportation equipment → Gas-liquid medium transportation equipment → Pump → Impeller pump
Fo67
RECPart-0361377
Classifier of the equipment and materials → Classifier of the equipment → Electrical facilities, including instrumentation and automatics → Instrumentation and automatics → Detectors and complete inspection tools → Process and engineering parameters measurement → Secondary instruments → Gauges → Hydrological meters
Products name
RECPart-0361378
Classifier of the equipment and materials → Classifier of the equipment → Processing equipment → Transportation equipment → Gas-liquid medium transportation equipment → Pump → Impeller pump
Ru4567
RECPart-0361379
Classifier of the equipment and materials → Classifier of the equipment → Pipeline fittings → Check valves → Check gate valve
Ru4568
RECPart-0361380
Classifier of the equipment and materials → Classifier of the equipment → Pipeline fittings → Check valves → Check gate valve
Page
1
of 1

Figure 9.5.1.

Use the card link to open and view it. Also use links to the libraries and templates in the Classification column.

10 WORK WITH REQUESTS

The library “Requests” enables to create enquires and trace their statuses. The library contains requests for addition of new classes, templates for equipment and users. In case the counterpart fails to find the necessary class of equipment, organization of the manufacturer, or he supposes that the present template requires completion, it is necessary to create a request for addition or change of this position in the catalogue. Request for creation of new templates or change of the old ones are in the “Equipment cards” branch , requests for addition of new organizations are located in the “Directories” branch.

Creation of a request:

1) 1Select “Equipment cards “or “Reference guides” in the tree structure.
2) Select “Create an request” on the toolbar.
3) Fill the request.

a. Name: type the request name.
b. Life cycle: an request
c. Description: describe the request

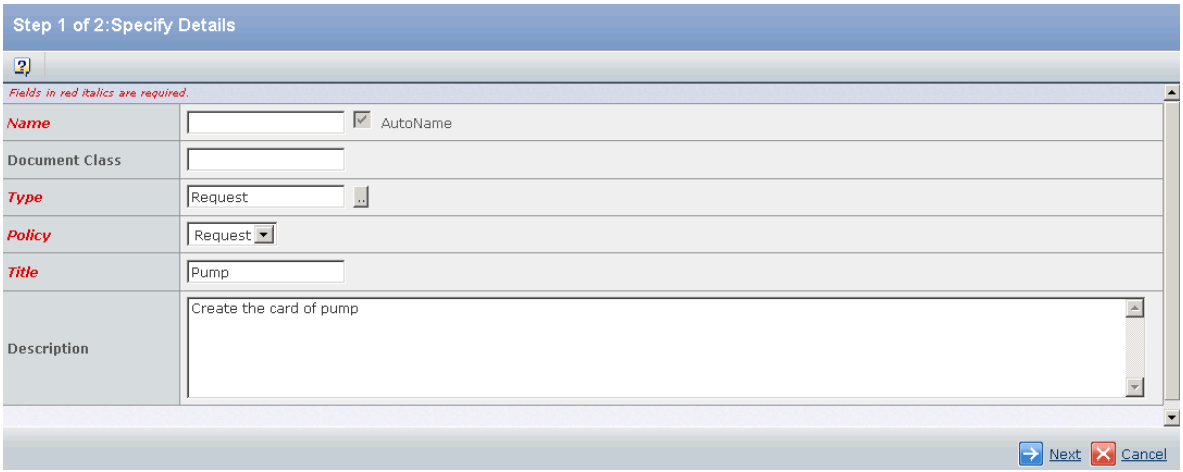


Figure 10.1

4) Add documents to the request:

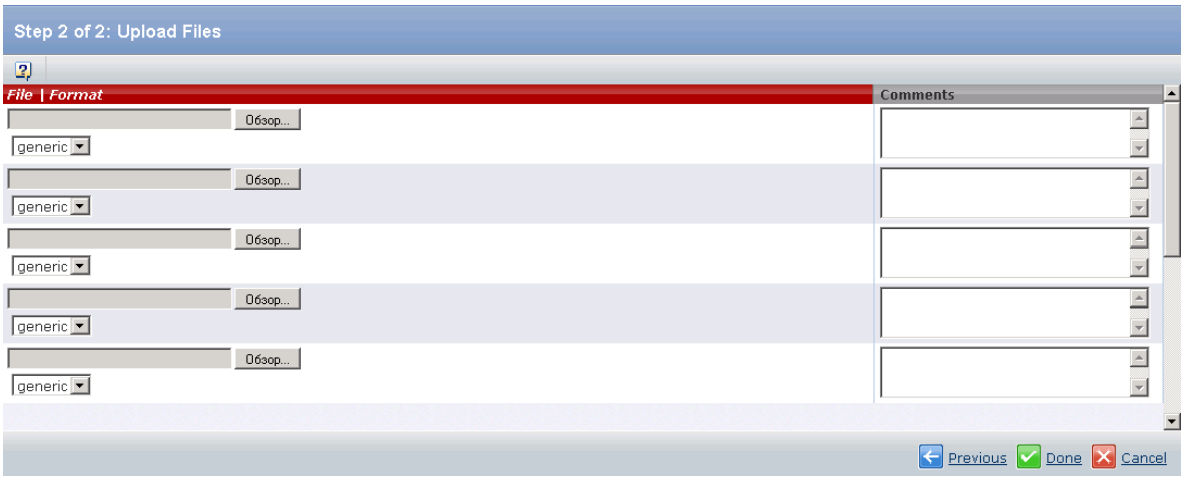


Figure 10.2.

d) Click the **Browse** button;

e) Select a file;

f) Press **OK**.

The following documents can serve an attached document for the request “Equipment Card”: Specifications, Operation manual or any other document which content enables to consider technical characteristics of the given equipment.

As an attached document for the request “Reference guides” it is necessary to enclose a filled blank analogous to the one filled at registration (Anniual B)

The request is created with the status “Drafts”.

Note! To get an answer for the created request it is necessary to select “Life Cycle” and click “Up”.

The request acquires the status “Ready for Checking” i.e. the created request is ready to be used. Verifier checks the request for presence of necessary information and attached documentation. If the request complies with the necessary requirements, it acquires the status “Under development”, otherwise it acquires the status “”Draft” with a verifier corresponding commentary. All the commentaries are created in the “Forum” category.

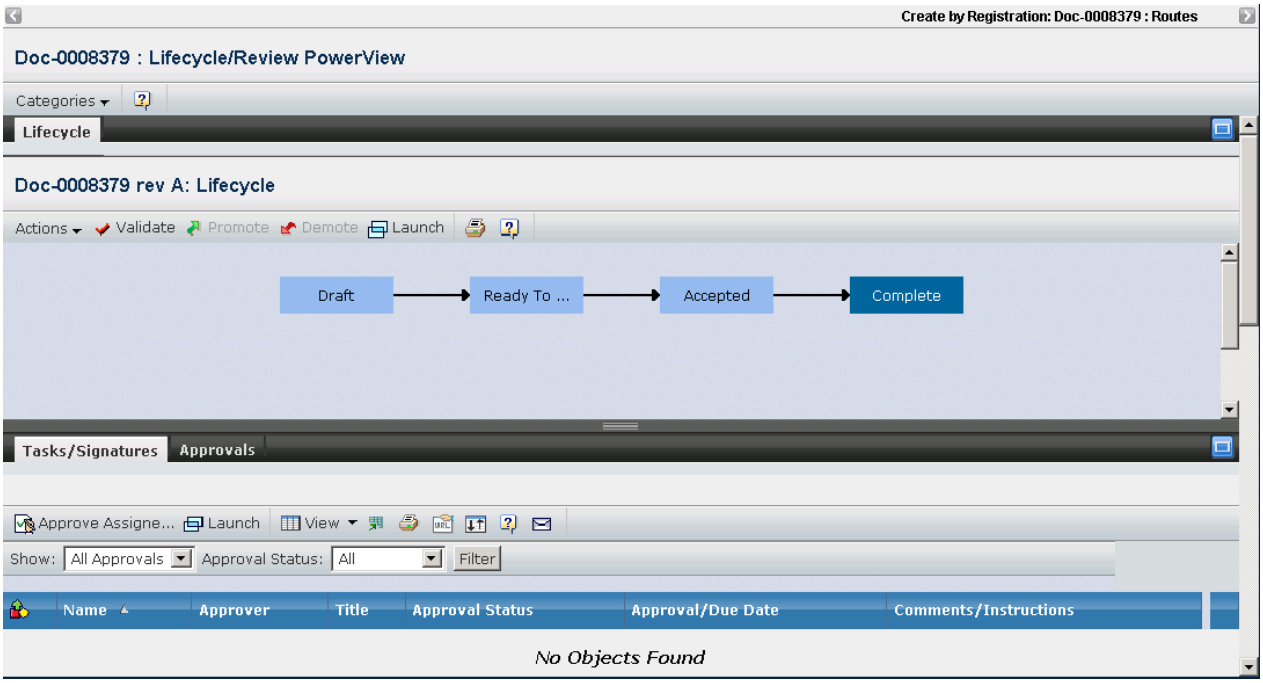


Figure 10.3.

The status “Under Development”. The verification centre creates a template according to the present documentation.

Important! Request in the status “Under Development” is not considered by the verifier!

The “Archive” status acquire the requests considered and those located in the catalogue. The exact name of a template is indicated in the catalogue.

Requests created at registration are in «Requests at registration» branch. The verifier checks the request and appropriates it the status “Archive” with the corresponding commentaries. If the commentaries require documents for a more detailed processing of the request, a request in the branch «Equipment cards» is created. The further work with the request is done according to the scenario outlined before.

All the requests with the status “Archive” are transferred to the branch «Archive». Besides, the requests with the status “Draft” inactive for more than 1 month are also transferred to the branch “Archive”.

To change the filled gaps in the request select Actions > Update the filled Information.

А-112078 ПМ

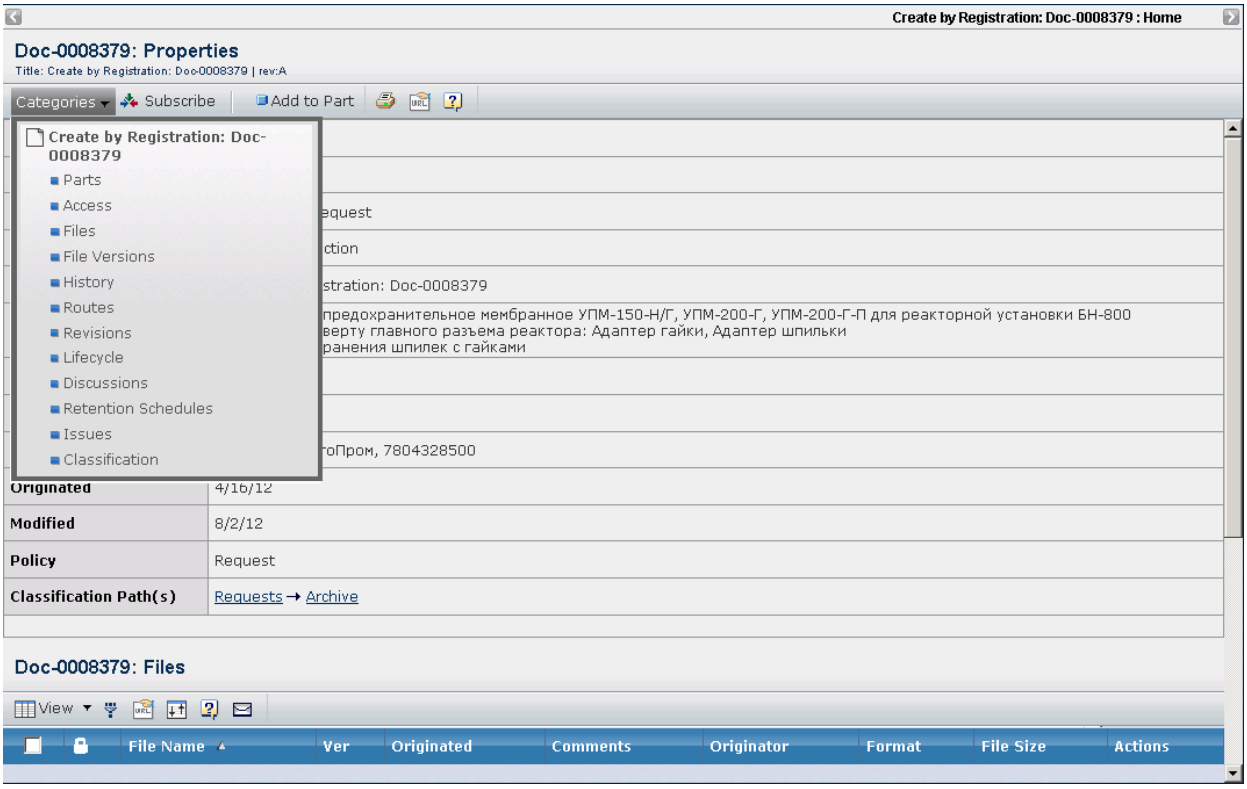


Figure 10.4.

Revision, updating or removal of files from the request is done on analogy with the procedure with documents (Work with document files).

If any questions occur it is necessary to create Forum in the request, see section Work with requests.

11 WORK WITH FORUMS

The category “Forums» enables to create topics and discuss acute issues both with the verifier and other system users. Discussions may be created for libraries, classes, subclasses and for single final elements.

Forum creation:

1) Select an equipment class or a card in the classifier, where it is necessary to create a forum.

2) Follow the branch Categories > Discussions.

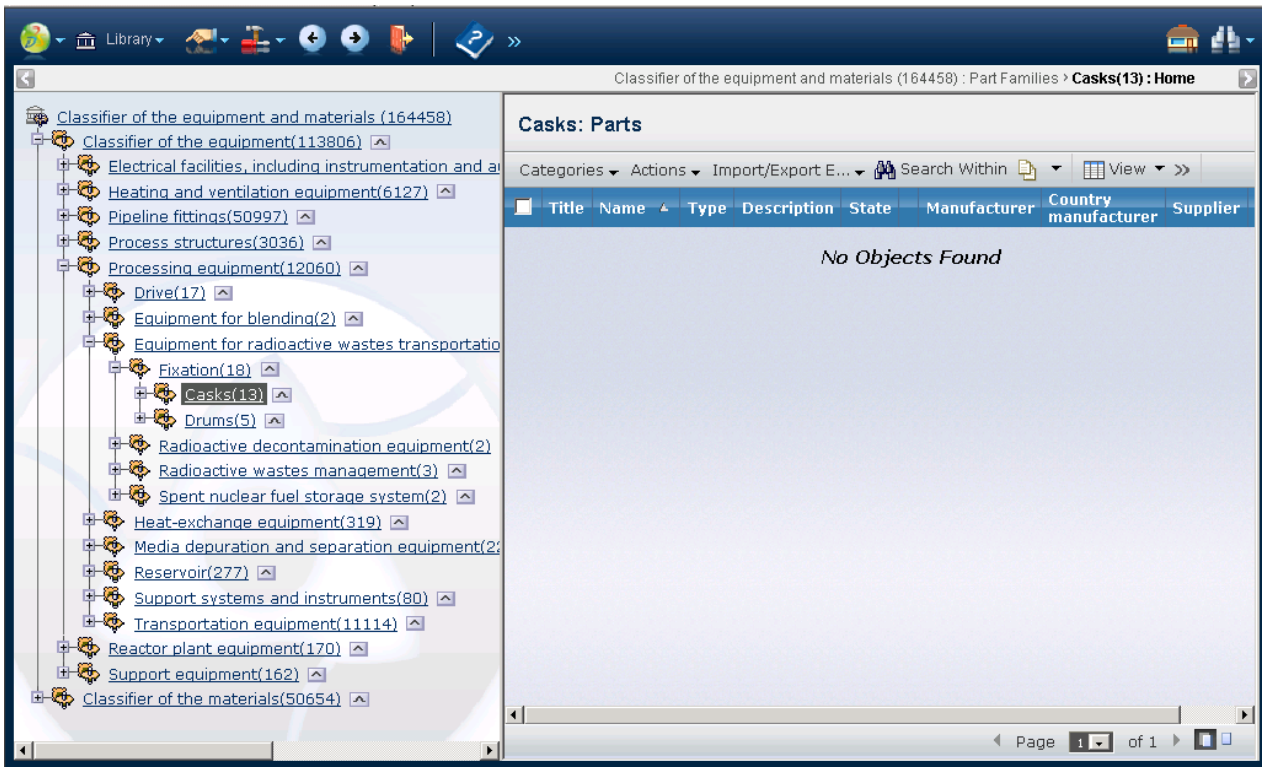


Figure 11.1.

3) In the Discussion window on the toolbar click the **Create New** button .

4) Enter the Subject of discussion and a message in the opened window, click **Done**.

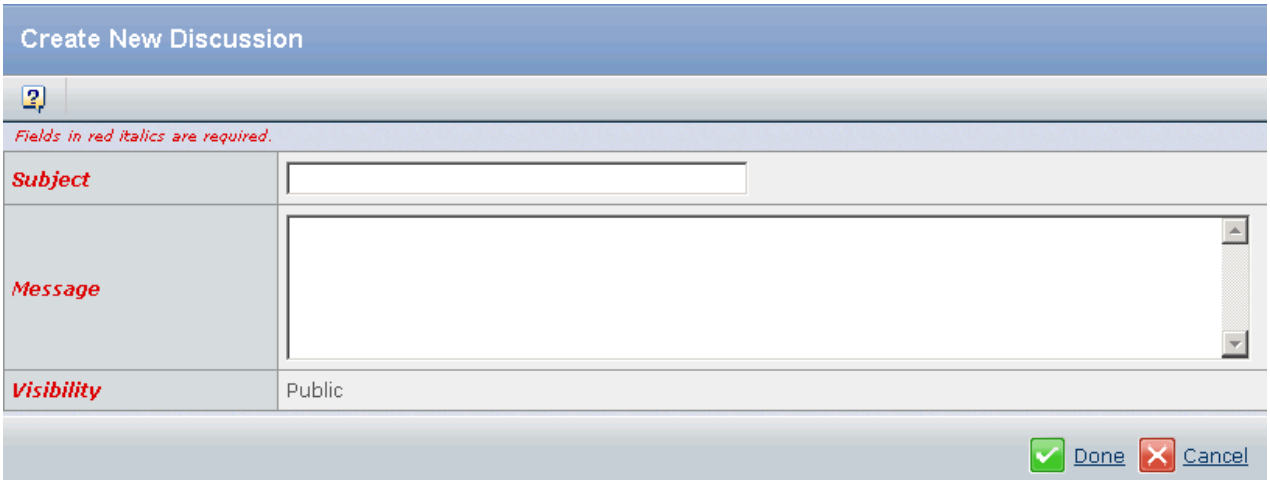


Figure 11.2.

To add a new message in the current Forum click “Public Answer” on the toolbar. Type a message and click OK.

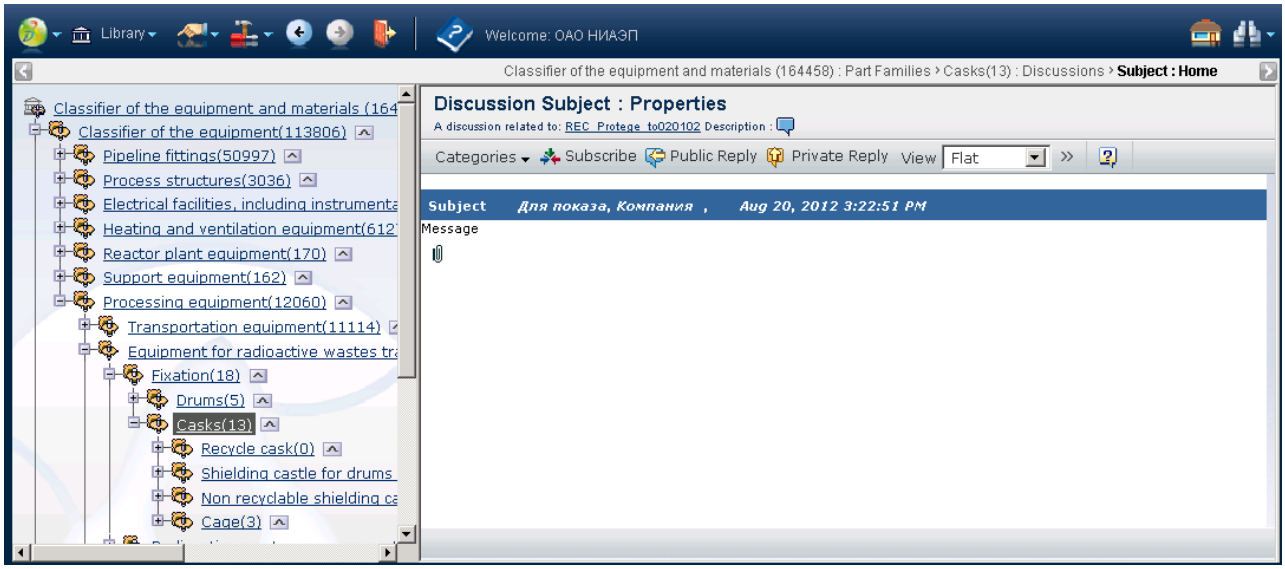


Figure 11.3.

ANNEX A

Table 1. Key symbols

Symbol	Symbol code (Alt + X)
•	0149
°	0176
±	0177
×	0215
Ø	0216
²	0178
³	0179

А-112078 ПМ

ANNEX B

Table 2. Company information (Russian company)

Full identification and type of ownership1	Full organization identification and type of ownership
Name	Short company identification
English name	
Country	
Organization type (Select the needed one, remove all the rest)	Manufacturer; Distributor; Trading house; Complex supplier
Company requisites	
TRN	
TRRC	
RCEO-based TRRC	
RCEO	
Contacts	
E-mail	
Telephone number	
Fax	
Web-site	
Addresses	
Juridical	
Actual	
postal	
Contact persons	
Director	
Surname, name	
Telephone number	
E-mail address	
Chief Accountant	
Surname, name	
Telephone number	
E-mail address	
Bank details	
Bank identification	
City	
Settlement account	
Correspondent account	
BIC	

А-112078 ПМ

[1] Lines in bold type are obligatory for filling

Table 3. Company information (Foreign company)

Full identification and type of ownership	Full organization name and type of ownership
Identification	Short organization identification
English identification	
Country	
Organization type (Select the needed one, remove all the rest)	Manufacturer; Distributor; Trading house; Complex supplier
Company requisites	
ITPN	
Incorporation country	
Act on the basis of	
Registered in	
Under identification/ register number	
Contacts	
E-mail	
Telephone number	
Fax	
Web-site	
Addresses	
Juridical	
actual	
e-mail	
Contact persons	
Director	
Surname, name	
Telephone number	
E-mail	
Chief Accountant	
Surname, name	
Telephone number	
E-mail	
Bank details	
Bank identification	
City	
Settlement account	
Correspondent account	
BIC	

ANNEX C

ENOVIA requirements for client partV6
REQUIREMENTS TO CLIENTS
On the established operating systems and used browsers

PLATFORM COMPONENT		OPERATING SYSTEM (HARDWARE)										
Vendor	Product	Windows XP SP3 32-bit Edition	Windows XP SP2 64-bit Edition	Windows Vista SP1 32-bit and 64-bit Editions	Windows 7 32-bit and 64-bit Edition	Windows Server 2008 SP1 or SP2 64-bit Edition	Windows Server 2008 R2	Red Hat Enterprise Linux 5.2 32-bit or 64-bit Editions	SuSE Linux Enterprise Server 10 SP2 32-bit or 64-bit Edition	AIX 6.1 TL02 64-bit	64-bit Solaris 10 5/08	MacOS 10.5 MacOS 10.6
		x86-32 Intel or AMD	x8 6-64 Intel or AMD	x8 6-32 or x86-64 Intel or AMD	x8 6-32 or x86-64 Intel or AMD	x8 6-64 Intel or AMD	x8 6-64 Intel or AMD	x8 6-32 or x86-64 Intel or AMD	x8 6-32 or x86-64 Intel or AMD	64-bit POWER 5, 6, 7	64-bit SPARC or x86 Intel or AMD	x8 6 Intel
BROWSERS												
Microsoft	Internet Explorer 7 /Sun JRE 6 (32-bit)	A-112078 пм ✓	✓ Following products are not supported: ADS ARN ARP	✓ Following products are not supported: ADS ARN ARP ARP LES LHC	✗	✓ Following products are not supported: ADS ARN ARP	✗	✗	✗	✗	✗	✗

				LPI LPQ LPX LRA PQC QIC								
Microsoft	Internet Explorer 8 /Sun JRE 6 (32-bit)	✓	✓ Following products are not supported: ADS ARN ARP	✓ Following products are not supported: ADS ARN ARP ARP LES LHC LPI LPQ LPX LRA PQC QIC	✓ Following products are not supported: ADS	✓ Following products are not supported: ADS ARN ARP	✓ Following products are not supported: ADS ARN ARP	✗	✗	✗	✗	✗
Open Source	Firefox 3.6 / Sun JRE 6 (32-bit)	✓ A-112078 пм	✓ Following products are not supported: ADS ARN ARP	✓ Following products are not supported: ADS ARN ARP ARP LES LHC LPI LPQ LPX LRA PQC QIC	✓ Following products are not supported: ADS	✓ Following products are not supported: ADS ARN ARP	✓ Following products are not supported: ADS ARN ARP	✓ Following products are not supported: ADS ARN ARP	✗	✗	✓ Following products are not supported: ADS ARN ARP	✓ Following products are not supported: ARN ARP ARP BYR CMC CPC CPX CPA CST LBC LES LHC LPI LPQ LPX LRA PQC QIC

												QUT SRC SUP SRR
Open Source	Firefox 3.0.x /Sun JRE 6	✗	✗	✗	✗	✗	✗	✗	✓ Following products are not supported: ADS ARN ARP	✗	✗	✗
Open Source	Firefox 3.5 (64-bit)/IBM JRE 6SR7	✗	✗	✗	✗	✗	✗	✗	✗	✓ Following products are not supported: ADS ARN ARP	✗	
PLATFORM COMPONENT		OPERATING SYSTEM (HARDWARE)										
Vendor	Product	Windows XP SP3 32-bit Edition	Windows XP SP2 64-bit Edition	Windows Vista SP1 32-bit and 64-bit Editions	Windows 7 32-bit and 64-bit Edition	Windows Server 2008 SP1 or SP2 64-bit Edition	Windows Server 2008 R2	Red Hat Enterprise Linux 5.2 32-bit or 64-bit Editions	SuSE Linux Enterprise Server 10 SP2 32-bit or 64-bit Edition	AIX 6.1 TL02 64-bit	64-bit Solaris 10 5/08	MacOS 10.5 MacOS 10.6
		x	x8	x8	x8	x8	x8	x8	x8	64	64	x8

A-1107-8 CM

		86-32 Intel or AMD	6-64 Intel or AMD	6-32 or x86-64 Intel or AMD	6-32 or x86-64 Intel or AMD	6-64 Intel or AMD	6-64 Intel or AMD	6-32 or x86-64 Intel or AMD	6-32 or x86-64 Intel or AMD	-bit POWER 5, 6, 7	-bit SPARC or x86 Intel or AMD	6 Intel
BROWSERS												
M icrosoft	I nternet Explorer 7 /Sun JRE 6 (32-bit)	✓	✓ Following products are not supported: ADS ARN ARP	✓ Following products are not supported: ADS ARN ARP ARP LES LHC LPI LPQ LPX LRA PQC QIC	✗	✓ Fo llowing products are not supported: ADS ARN ARP	✗	✗	✗	✗	✗	✗
M icrosoft	I nternet Explorer 8 /Sun JRE 6 (32-bit)	✓ A-112078 ПМ	✓ Following products are not supported: ADS ARN ARP	✓ Following products are not supported: ADS ARN ARP ARP LES LHC LPI LPQ LPX LRA PQC QIC	✓ Fo llowing products are not supported: ADS	✓ Fo llowing products are not supported: ADS ARN ARP	✓ Fo llowing products are not supported: ADS ARN ARP	✗	✗	✗	✗	✗
O	F	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓

pen Source	irefox 3.6 / Sun JRE 6 (32-bit)		Following products are not supported: ADS ARN ARP	Following products are not supported: ADS ARN ARP ARP LES LHC LPI LPQ LPX LRA PQC QIC	Fo llowing products are not supported: ADS	Fo llowing products are not supported: ADS ARN ARP	Fo llowing products are not supported: ADS ARN ARP	Fol lowing products are not supported: ADS ARN ARP			Fo llowing products are not supported: ADS ARN ARP	Fo llowing products are not supported: ARN ARP ARP BYR CMC CPC CPX CPA CST LBC LES LHC LPI LPQ LPX LRA PQC QIC QUT SRC SUP SRR
O pen Source	F irefox 3.0.x /Sun JRE 6	✗	✗	✗	✗	✗	✗	✗	✓ Fol lowing products are not supported: ADS ARN ARP	✗	✗	✗
O pen Source	F irefox 3.5 (64-bit)/IBM JRE 6SR7	✗	✗	✗	✗	✗	✗	✗	✗	✓ Fo llowing products are not supported: ADS	✗	

A-112078 ПМ

										ARN ARP		

Attention!

For using 3DAutoVue programme with 3D models it is necessary to set up software product Java SE 6 Update 14 (JRE 1.6.0_14). JRE 1.6.0_14 are components of the Java Virtual Machine necessary for Java-applications, in this case - 3DAutoVue.

It's possible to download the required JRE version by the following reference:
http://www.oracle.com/technetwork/java/javasebusiness/downloads/java-archive-downloads-javase6-419409.html#jre-6u14-oth-JPR

«jre-6u14-windows-i586» for Windows. To set up the software product JRE 1.6.0_14 address to system administrators or to the support service of your company.

Used abbreviation:

ADS – ENOVIA Collaboration for Adobe Creative Suite
ARN – ENOVIA Apparel Accelerator for Sourcing Partners
ARP – ENOVIA Apparel Accelerator for Sourcing and Production
BYR – ENOVIA Buyer Analytics
CMC – ENOVIA X-BOM Component Reuse for CES V5
CPC – ENOVIA Component Central
CPX – ENOVIA Component Experience
CPA – ENOVIA Librarian for CES V5
CST – ENOVIA X-BOM Cost Analytics
LBC – ENOVIA Library Central
LES – ENOVIA Life Sciences Accelerator for Engineering Design
LHC – ENOVIA Life Sciences Accelerator for Change Control
LPI – ENOVIA Life Sciences Accelerator for New Product
LPQ – ENOVIA Life Sciences Accelerator for Product Quality
LPX – ENOVIA Life Sciences Accelerator for New Product Experience
LRA – ENOVIA Life Sciences Accelerator for Regulatory Affairs
PQC – ENOVIA Product Quality Central
QIC – ENOVIA Quality Improvement Central

Platform support policy

A-FI207.RM

Support Policy for Operating Systems
Windows Client
Windows XP 32-bit SP3 is a Qualified platform.
Windows XP 64-bit SP2 is a Qualified platform
Windows Vista 64-bit SP1 is a Qualified platform
Windows Vista 64-bit SP2 is a Compatible platform
Windows 7 32-bit is a Validated platform
Windows 7 64-bit is a Validated platform
Windows Server
Windows Server 2008 SP1 is a Validated platform
Windows Server 2008 SP2 is a Qualified platform
Windows Server 2008 R2 is a Validated platform
Red Hat Enterprise Linux
Red Hat Enterprise Linux 5.2 is a Qualified platform
Red hat Enterprise Linux 5.x, with x > 2 are Compatible platforms
SuSE Linux Enterprise Server
SuSE Linux Enterprise Server 10 SP2 is a qualified platform
SuSE Linux Enterprise Server 10 SPx, with x > 2, are Compatible platforms
AIX
AIX 6.1 TL2 is a Qualified platform
AIX 6.1 TLx, with x > 2, are Compatible platform
Using LPAR is a Qualified configuration
Solaris
Solaris 10 5/08 SPARC is a Qualified platform
Solaris 10 5/08 x86 is a Qualified platform
Support Policy for Browsers
Microsoft Internet Explorer 7 is a Qualified platform
Microsoft Internet Explorer 8 is a Validated platform
Firefox 3.6 is a Qualified platform

Support Policy for Java
On Windows, Solaris and Linux
Java 6 Update 10 is a Qualified platform (except for Internet Explorer 8 : Java 6 Update 14).

Java 6 Update x, with x > 10 is a Compatible platform (except for Internet Explorer 8 : Java 6 Update x, with x>14).
On AIX
Java 6 SR7 is a Qualified platform.
Java 6 SR x, with x > 7 is a Compatible platform.

А-112078 пм

ANNEX D

Oracle AutoVue requirements to the client- end of
Oracle AutoVue. REQUIREMENTS TO CLIENT

Platform. Components	Operating systems				
Браузер	Windows 32-bit	RedHat Enterprise Linux 5	Ubuntu 8.04	Apple MAC OS X 10.5	Solaris 10 5/08
Microsoft Internet Explorer (6.0, 7.0, and 8.0) – 32-bit only	✓	✗	✗	✗	✗
FireFox 3.0	✓	✓	✓	✓	✓
Safari 4.0	✗	✗	✗	✓	✗

Версии Java:
- J2SE 5.0 update 19
- J2SE 6.0 update 14
- JRE 1.4.2 update 19

А-112078 пм

ELIMINATION OF ERRORS AT WORK WITH AUTOVUE

Attention!

The following actions should be taken by system administrators, or under control of a system administrator of your organization.

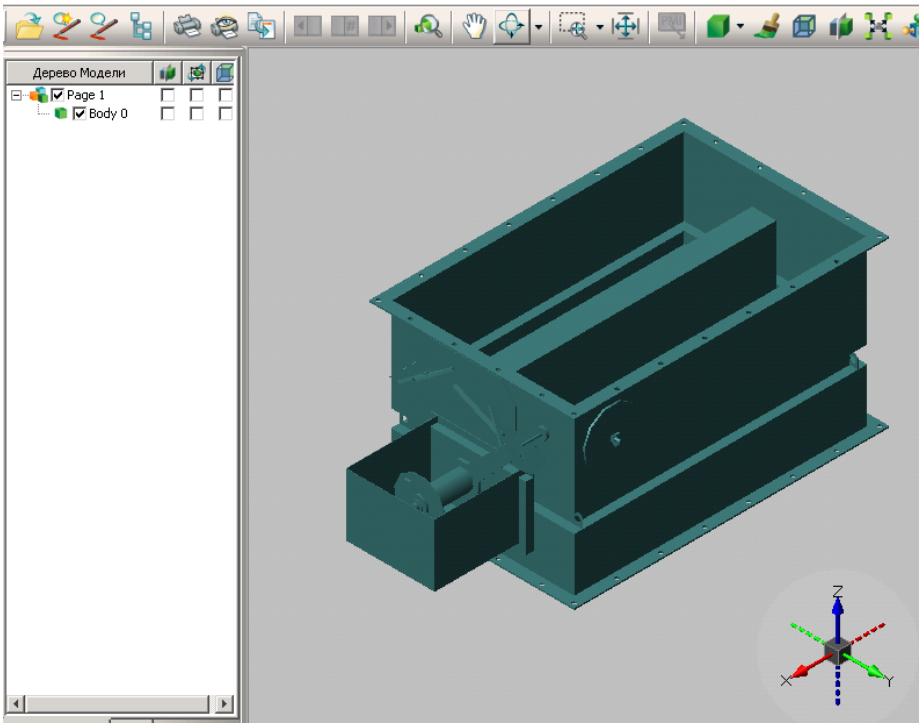


Figure 1

If in course of 3D-model uploading the model image is not loaded on the client's computer as it is shown in Figure 1, it is necessary to do the following actions:

1) Remove all the java versions if there are any (use the administrator’s account).

2) Set up the required java version (for Windows J2SE 6.0 update 14)

2) In environment variables check the way to the installed java in environment variable Path (see figure 2), if it differs from the way, indicated in 1.2, it is necessary to change the way.

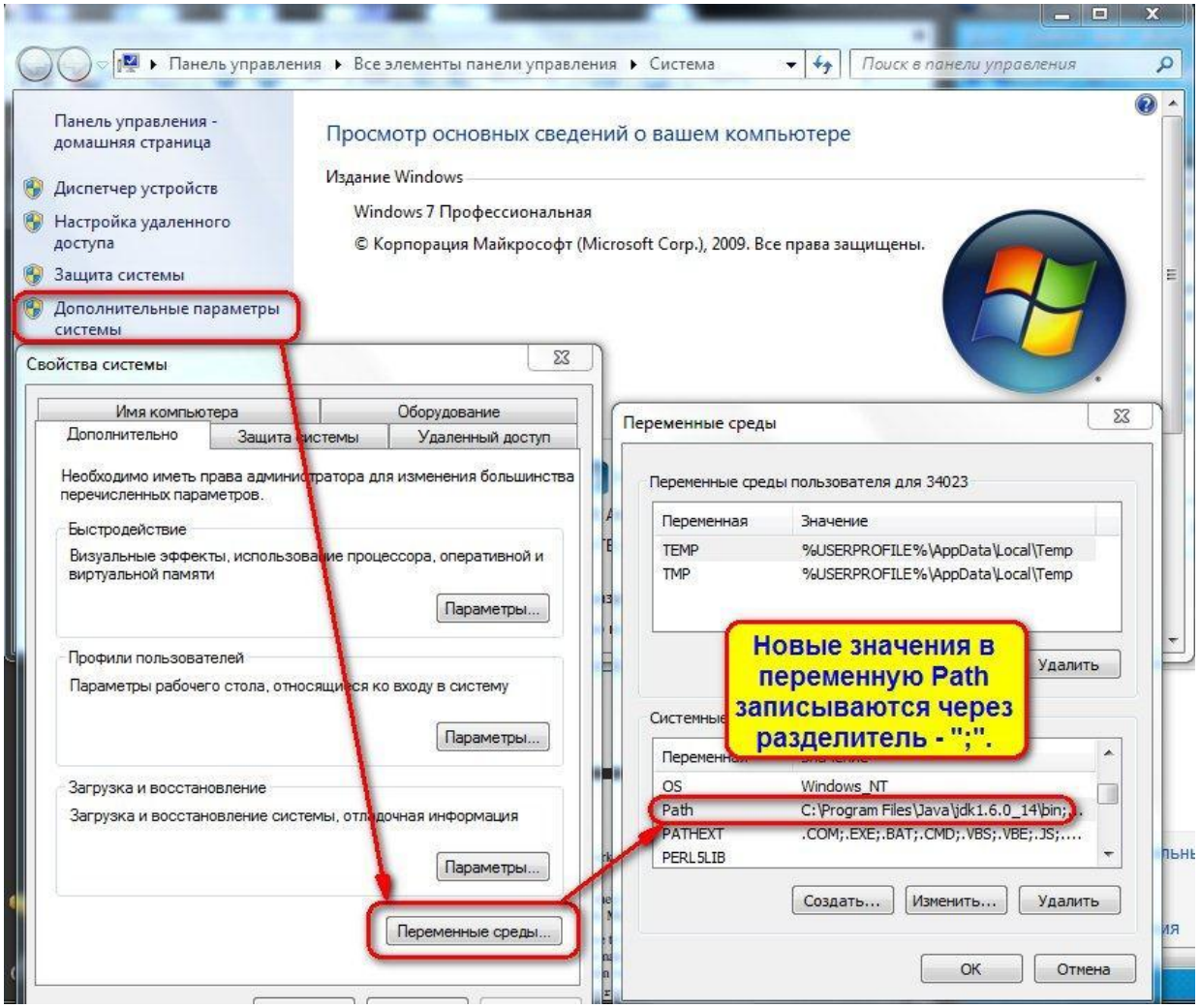

Панель управления ▸ Все элементы панели управления ▸ Система
Поиск в панели управления
Панель управления - домашняя страница
Диспетчер устройств
Настройка удаленного доступа
Защита системы
Дополнительные параметры системы
Просмотр основных сведений о вашем компьютере
Издание Windows
Windows 7 Профессиональная
© Корпорация Майкрософт (Microsoft Corp.), 2009. Все права защищены.
Свойства системы
Имя компьютера
Оборудование
Дополнительно
Защита системы
Удаленный доступ
Необходимо иметь права администратора для изменения большинства перечисленных параметров.
Быстродействие
Визуальные эффекты, использование процессора, оперативной и виртуальной памяти
Параметры...
Профили пользователей
Параметры рабочего стола, относящиеся ко входу в систему
Параметры...
Загрузка и восстановление
Загрузка и восстановление системы, отладочная информация
Параметры...
Переменные среды...
Переменные среды
Переменные среды пользователя для 34023
Переменная
Значение
TEMP
%USERPROFILE%\AppData\Local\Temp
TMP
%USERPROFILE%\AppData\Local\Temp
Удалить
Новые значения в переменную Path записываются через разделитель - ";".
Системные
OS
Windows_NT
Path
C:\Program Files\Java\jdk1.6.0_14\bin;
PATHEXT
.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;....
PERL5LIB
Создать...
Изменить...
Удалить
OK
Отмена

Figure. 2

Attention!

The following actions are not recommended to take!

This solution does not require Java resetting, but cannot be suitable for all PC.

If Java version set up on PC differs from that indicated in AutoVue requirements (see Oracle Auto Vue. REQUIREMENTS TO CLIENT) to view 3D models using AutoVue, follow the branch Security parameter->Mixed Code = Disable verification n the Java console (Start ->Control panel ->Java) in the Advanced tab (see Fig. 3).

After changes in the Java consol it is necessary to restart the browser.

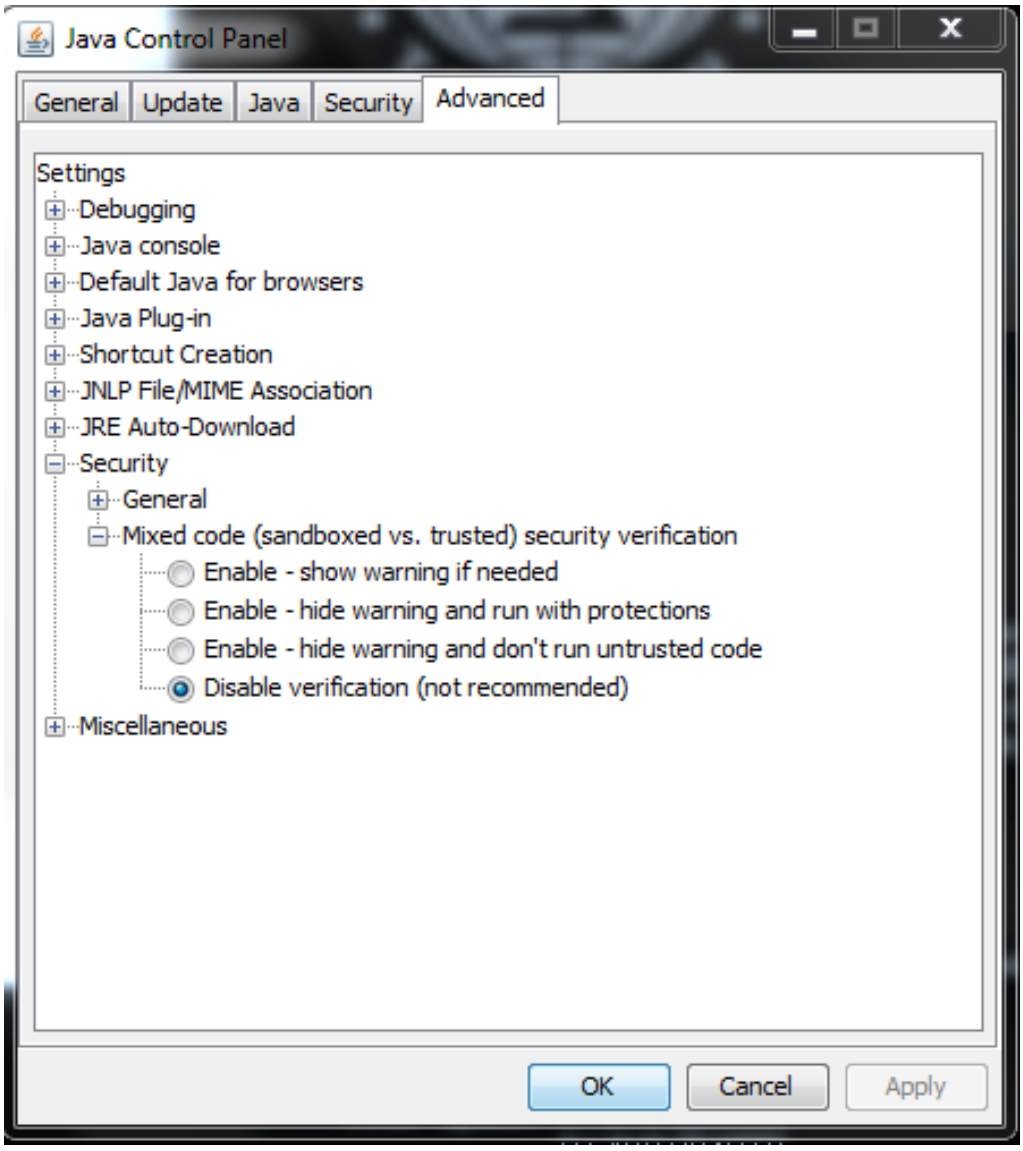


Figure.3

LIST OF ADOPTED ABBREVIATIONS

NP – Nuclear Plant
NPP – Nuclear Power Plant
VVER – Water pressurized reactor
VVER-TOI – typical optimized informative-advanced project based on VVER technology
SC – State Corporation
GOST – State Standard of RF
CIS – common information space
UNCEM – Unified Nuclear Catalogue of Equipment and Materials
USDD – Unified System of Design Documentation
ISO – International Organization for standardization
NTD – Normative-Technical Documentation
OJSC – Open Joint-Stock Company
OPB – General provisions for security of atomic power stations
AS – article of supply
TU – specifications (technical conditions)

А-112078 пм

LIST OF CHANGES REGISTRATION

Revision	Number of sheets				Total number of lists in documents	№ document	Incoming № of attached docum. and date	Signature	Date
	Revised	Replaced	New	Annulled					

А-112078 ПМ